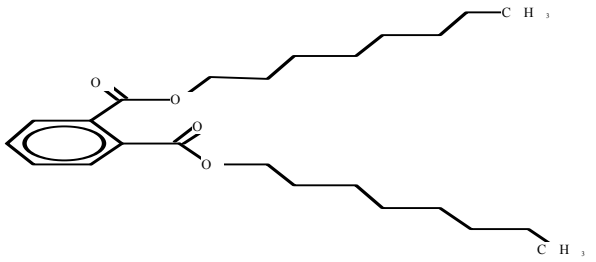


SMILES : O=C(OCCCCCCCC)c1ccccc1C(=O)(OCCCCCCCC)
CHEM :
MOL FOR: C24 H38 O4
MOL WT : 390.57

---------- BIOWIN v4.10 Results ----------

Biowin1 (Linear Model Prediction) : Biodegrades Fast
Biowin2 (Non-Linear Model Prediction): Biodegrades Fast
Biowin3 (Ultimate Biodegradation Timeframe): Weeks
Biowin4 (Primary Biodegradation Timeframe): Hours-Days
Biowin5 (MITI Linear Model Prediction) : Readily Degradable
Biowin6 (MITI Non-Linear Model Prediction): Readily Degradable
Biowin7 (Anaerobic Model Prediction): Does Not Biodegrade Fast
Ready Biodegradability Prediction: YES

TYPE	NUM	Biowin1 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	0.1084	0.2169
Frag	2	Ester [-C(=O)-O-C]	0.1742	0.3484
MolWt	*	Molecular Weight Parameter		-0.1859
Const	*	Equation Constant		0.7475
RESULT		Biowin1 (Linear Biodeg Probability)		1.1268

TYPE	NUM	Biowin2 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	1.8437	3.6874
Frag	2	Ester [-C(=O)-O-C]	4.0795	8.1590
MolWt	*	Molecular Weight Parameter		-5.5461
RESULT		Biowin2 (Non-Linear Biodeg Probability)		0.9999

A Probability Greater Than or Equal to 0.5 indicates --> Biodegrades Fast
A Probability Less Than 0.5 indicates --> Does NOT Biodegrade Fast

TYPE	NUM	Biowin3 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	0.2983	0.5967
Frag	2	Ester [-C(=O)-O-C]	0.1402	0.2804
MolWt	*	Molecular Weight Parameter		-0.8631
Const	*	Equation Constant		3.1992
RESULT		Biowin3 (Survey Model - Ultimate Biodeg)		3.2132

TYPE	NUM	Biowin4 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	0.2691	0.5381
Frag	2	Ester [-C(=O)-O-C]	0.2290	0.4579

MolWt	*	Molecular Weight Parameter		-0.5635
Const	*	Equation Constant		3.8477
RESULT		Biowin4 (Survey Model - Primary Biodeg)		4.2803

Result Classification: (Primary & Ultimate) 5.00 -> hours 4.00 -> days 3.00 -> weeks 2.00 -> months 1.00 -> longer

TYPE	NUM	Biowin5 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.3437	0.6875
Frag	4	Aromatic-H	0.0082	0.0329
Frag	2	Methyl [-CH3]	0.0004	0.0008
Frag	14	-CH2- [linear]	0.0494	0.6918
MolWt	*	Molecular Weight Parameter		-1.1619
Const	*	Equation Constant		0.7121
RESULT		Biowin5 (MITI Linear Biodeg Probability)		0.9632

TYPE	NUM	Biowin6 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	2.4462	4.8923
Frag	4	Aromatic-H	0.1201	0.4806
Frag	2	Methyl [-CH3]	0.0194	0.0389
Frag	14	-CH2- [linear]	0.4295	6.0129
MolWt	*	Molecular Weight Parameter		-11.2752
RESULT		Biowin6 (MITI Non-Linear Biodeg Probability)		0.9355

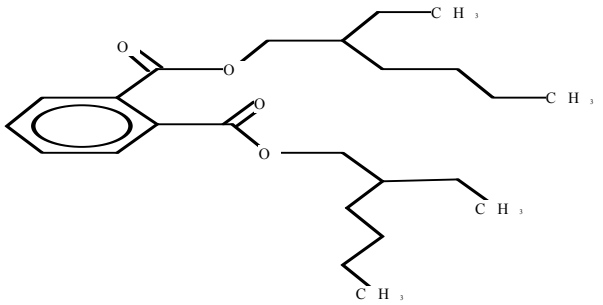
A Probability Greater Than or Equal to 0.5 indicates --> Readily Degradable
A Probability Less Than 0.5 indicates --> NOT Readily Degradable

TYPE	NUM	Biowin7 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	-0.3177	-0.6355
Frag	2	Ester [-C(=O)-O-C]	0.1719	0.3437
Frag	4	Aromatic-H	-0.0954	-0.3817
Frag	2	Methyl [-CH3]	-0.0796	-0.1591
Frag	14	-CH2- [linear]	0.0260	0.3639
Const	*	Equation Constant		0.8361
RESULT		Biowin7 (Anaerobic Linear Biodeg Prob)		0.3673

A Probability Greater Than or Equal to 0.5 indicates --> Biodegrades Fast
A Probability Less Than 0.5 indicates --> Does NOT Biodegrade Fast

Ready Biodegradability Prediction: (YES or NO)

Criteria for the YES or NO prediction: If the Biowin3 (ultimate survey model) result is "weeks" or faster (i.e. "days", "days to weeks", or "weeks" AND the Biowin5 (MITI linear model) probability is >= 0.5, then the prediction is YES (readily biodegradable). If this condition is not satisfied, the prediction is NO (not readily biodegradable). This method is based on application of Bayesian analysis to ready biodegradation data (see Help). Biowin5 and 6 also predict ready biodegradability, but for degradation in the OECD301C test only; using data from the Chemicals Evaluation and Research Institute Japan (CERIJ) database.



SMILES : O=C(OCC(CC)CCCC)c1ccccc1C(=O)(OCC(CC)CCCC)
CHEM :
MOL FOR: C24 H38 O4
MOL WT : 390.57

---------- BIOWIN v4.10 Results ----------

Biowin1 (Linear Model Prediction) : Biodegrades Fast
Biowin2 (Non-Linear Model Prediction): Biodegrades Fast
Biowin3 (Ultimate Biodegradation Timeframe): Weeks
Biowin4 (Primary Biodegradation Timeframe): Hours-Days
Biowin5 (MITI Linear Model Prediction) : Readily Degradable
Biowin6 (MITI Non-Linear Model Prediction): Readily Degradable
Biowin7 (Anaerobic Model Prediction): Does Not Biodegrade Fast
Ready Biodegradability Prediction: YES

TYPE	NUM	Biowin1 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	0.1084	0.2169
Frag	2	Ester [-C(=O)-O-C]	0.1742	0.3484
MolWt	*	Molecular Weight Parameter		-0.1859
Const	*	Equation Constant		0.7475
RESULT		Biowin1 (Linear Biodeg Probability)		1.1268

TYPE	NUM	Biowin2 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	1.8437	3.6874
Frag	2	Ester [-C(=O)-O-C]	4.0795	8.1590
MolWt	*	Molecular Weight Parameter		-5.5461
RESULT		Biowin2 (Non-Linear Biodeg Probability)		0.9999

A Probability Greater Than or Equal to 0.5 indicates --> Biodegrades Fast
A Probability Less Than 0.5 indicates --> Does NOT Biodegrade Fast

TYPE	NUM	Biowin3 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	0.2983	0.5967
Frag	2	Ester [-C(=O)-O-C]	0.1402	0.2804
MolWt	*	Molecular Weight Parameter		-0.8631
Const	*	Equation Constant		3.1992
RESULT		Biowin3 (Survey Model - Ultimate Biodeg)		3.2132

TYPE	NUM	Biowin4 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	0.2691	0.5381
Frag	2	Ester [-C(=O)-O-C]	0.2290	0.4579

MolWt	*	Molecular Weight Parameter		-0.5635
Const	*	Equation Constant		3.8477
RESULT		Biowin4 (Survey Model - Primary Biodeg)		4.2803

Result Classification: (Primary & Ultimate) 5.00 -> hours 4.00 -> days 3.00 -> weeks 2.00 -> months 1.00 -> longer

TYPE	NUM	Biowin5 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.3437	0.6875
Frag	4	Aromatic-H	0.0082	0.0329
Frag	4	Methyl [-CH3]	0.0004	0.0016
Frag	10	-CH2- [linear]	0.0494	0.4942
Frag	2	-CH- [linear]	-0.0507	-0.1013
MolWt	*	Molecular Weight Parameter		-1.1619
Const	*	Equation Constant		0.7121
RESULT		Biowin5 (MITI Linear Biodeg Probability)		0.6650

TYPE	NUM	Biowin6 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	2.4462	4.8923
Frag	4	Aromatic-H	0.1201	0.4806
Frag	4	Methyl [-CH3]	0.0194	0.0777
Frag	10	-CH2- [linear]	0.4295	4.2949
Frag	2	-CH- [linear]	-0.0998	-0.1995
MolWt	*	Molecular Weight Parameter		-11.2752
RESULT		Biowin6 (MITI Non-Linear Biodeg Probability)		0.6892

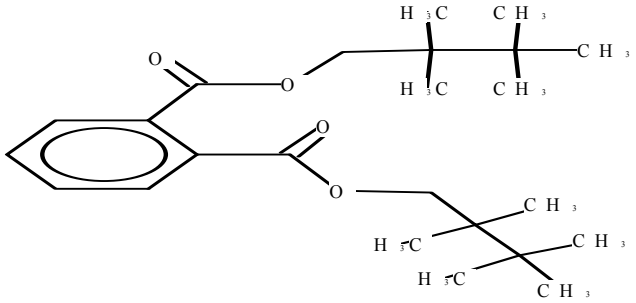
A Probability Greater Than or Equal to 0.5 indicates --> Readily Degradable
A Probability Less Than 0.5 indicates --> NOT Readily Degradable

TYPE	NUM	Biowin7 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	-0.3177	-0.6355
Frag	2	Ester [-C(=O)-O-C]	0.1719	0.3437
Frag	4	Aromatic-H	-0.0954	-0.3817
Frag	4	Methyl [-CH3]	-0.0796	-0.3183
Frag	10	-CH2- [linear]	0.0260	0.2599
Frag	2	-CH- [linear]	-0.1659	-0.3317
Const	*	Equation Constant		0.8361
RESULT		Biowin7 (Anaerobic Linear Biodeg Prob)		-0.2275

A Probability Greater Than or Equal to 0.5 indicates --> Biodegrades Fast
A Probability Less Than 0.5 indicates --> Does NOT Biodegrade Fast

Ready Biodegradability Prediction: (YES or NO)

Criteria for the YES or NO prediction: If the Biowin3 (ultimate survey model) result is "weeks" or faster (i.e. "days", "days to weeks", or "weeks" AND the Biowin5 (MITI linear model) probability is >= 0.5, then the prediction is YES (readily biodegradable). If this condition is not satisfied, the prediction is NO (not readily biodegradable). This method is based on application of Bayesian analysis to ready biodegradation data (see Help). Biowin5 and 6 also predict ready biodegradability, but for degradation in the OECD301C test only; using data from the Chemicals Evaluation and Research Institute Japan (CERIJ) database.



SMILES : O=C(OCC(C)(C)C(C)(C)C)c1ccccc1C(=O)(OCC(C)(C)C(C)(C)C)
CHEM :
MOL FOR: C24 H38 O4
MOL WT : 390.57

---------- BIOWIN v4.10 Results ----------

Biowin1 (Linear Model Prediction) : Does Not Biodegrade Fast
Biowin2 (Non-Linear Model Prediction): Does Not Biodegrade Fast
Biowin3 (Ultimate Biodegradation Timeframe): Months
Biowin4 (Primary Biodegradation Timeframe): Weeks
Biowin5 (MITI Linear Model Prediction) : Readily Degradable
Biowin6 (MITI Non-Linear Model Prediction): Not Readily Degradable
Biowin7 (Anaerobic Model Prediction): Does Not Biodegrade Fast
Ready Biodegradability Prediction: NO

TYPE	NUM	Biowin1 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.1742	0.3484
Frag	4	Carbon with 4 single bonds & no hydrogens	-0.1839	-0.7357
MolWt	*	Molecular Weight Parameter		-0.1859
Const	*	Equation Constant		0.7475
RESULT		Biowin1 (Linear Biodeg Probability)		0.1742

TYPE	NUM	Biowin2 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	4.0795	8.1590
Frag	4	Carbon with 4 single bonds & no hydrogens	-1.7232	-6.8928
MolWt	*	Molecular Weight Parameter		-5.5461
RESULT		Biowin2 (Non-Linear Biodeg Probability)		0.2191

A Probability Greater Than or Equal to 0.5 indicates --> Biodegrades Fast
A Probability Less Than 0.5 indicates --> Does NOT Biodegrade Fast

TYPE	NUM	Biowin3 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.1402	0.2804
Frag	4	Carbon with 4 single bonds & no hydrogens	-0.2121	-0.8485
MolWt	*	Molecular Weight Parameter		-0.8631
Const	*	Equation Constant		3.1992
RESULT		Biowin3 (Survey Model - Ultimate Biodeg)		1.7680

TYPE	NUM	Biowin4 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.2290	0.4579
Frag	4	Carbon with 4 single bonds & no hydrogens	-0.1534	-0.6138

MolWt	*	Molecular Weight Parameter		-0.5635
Const	*	Equation Constant		3.8477
RESULT		Biowin4 (Survey Model - Primary Biodeg)		3.1284

Result Classification: 5.00 -> hours 4.00 -> days 3.00 -> weeks
(Primary & Ultimate) 2.00 -> months 1.00 -> longer

TYPE	NUM	Biowin5 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.3437	0.6875
Frag	4	Carbon with 4 single bonds & no hydrogens	0.0676	0.2705
Frag	4	Aromatic-H	0.0082	0.0329
Frag	10	Methyl [-CH3]	0.0004	0.0041
Frag	2	-CH2- [linear]	0.0494	0.0988
MolWt	*	Molecular Weight Parameter		-1.1619
Const	*	Equation Constant		0.7121
RESULT		Biowin5 (MITI Linear Biodeg Probability)		0.6440

TYPE	NUM	Biowin6 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	2.4462	4.8923
Frag	4	Carbon with 4 single bonds & no hydrogens	0.3990	1.5960
Frag	4	Aromatic-H	0.1201	0.4806
Frag	10	Methyl [-CH3]	0.0194	0.1943
Frag	2	-CH2- [linear]	0.4295	0.8590
MolWt	*	Molecular Weight Parameter		-11.2752
RESULT		Biowin6 (MITI Non-Linear Biodeg Probability)		0.3258

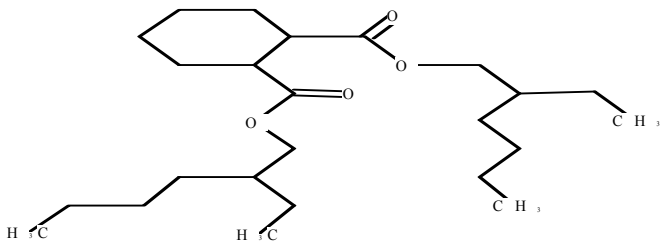
A Probability Greater Than or Equal to 0.5 indicates --> Readily Degradable
A Probability Less Than 0.5 indicates --> NOT Readily Degradable

TYPE	NUM	Biowin7 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.1719	0.3437
Frag	4	Carbon with 4 single bonds & no hydrogens	-0.3342	-1.3369
Frag	4	Aromatic-H	-0.0954	-0.3817
Frag	10	Methyl [-CH3]	-0.0796	-0.7957
Frag	2	-CH2- [linear]	0.0260	0.0520
Const	*	Equation Constant		0.8361
RESULT		Biowin7 (Anaerobic Linear Biodeg Prob)		-1.2826

A Probability Greater Than or Equal to 0.5 indicates --> Biodegrades Fast
A Probability Less Than 0.5 indicates --> Does NOT Biodegrade Fast

Ready Biodegradability Prediction: (YES or NO)

Criteria for the YES or NO prediction: If the Biowin3 (ultimate survey model) result is "weeks" or faster (i.e. "days", "days to weeks", or "weeks" AND the Biowin5 (MITI linear model) probability is >= 0.5, then the prediction is YES (readily biodegradable). If this condition is not satisfied, the prediction is NO (not readily biodegradable). This method is based on application of Bayesian analysis to ready biodegradation data (see Help). Biowin5 and 6 also predict ready biodegradability, but for degradation in the OECD301C test only; using data from the Chemicals Evaluation and Research Institute Japan (CERIJ) database.



SMILES : O=C(OCC(CC)CCCC)C1C(CCCC1)C(=O)(OCC(CC)CCCC)
CHEM :
MOL FOR: C24 H44 O4
MOL WT : 396.62

---------- BIOWIN v4.10 Results ----------

Biowin1 (Linear Model Prediction) : Biodegrades Fast
Biowin2 (Non-Linear Model Prediction): Biodegrades Fast
Biowin3 (Ultimate Biodegradation Timeframe): Weeks
Biowin4 (Primary Biodegradation Timeframe): Hours-Days
Biowin5 (MITI Linear Model Prediction) : Readily Degradable
Biowin6 (MITI Non-Linear Model Prediction): Readily Degradable
Biowin7 (Anaerobic Model Prediction): Does Not Biodegrade Fast
Ready Biodegradability Prediction: YES

TYPE	NUM	Biowin1 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	0.1084	0.2169
Frag	2	Ester [-C(=O)-O-C]	0.1742	0.3484
MolWt	*	Molecular Weight Parameter		-0.1888
Const	*	Equation Constant		0.7475
RESULT		Biowin1 (Linear Biodeg Probability)		1.1239

TYPE	NUM	Biowin2 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	1.8437	3.6874
Frag	2	Ester [-C(=O)-O-C]	4.0795	8.1590
MolWt	*	Molecular Weight Parameter		-5.6319
RESULT		Biowin2 (Non-Linear Biodeg Probability)		0.9999

A Probability Greater Than or Equal to 0.5 indicates --> Biodegrades Fast
A Probability Less Than 0.5 indicates --> Does NOT Biodegrade Fast

TYPE	NUM	Biowin3 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	0.2983	0.5967
Frag	2	Ester [-C(=O)-O-C]	0.1402	0.2804
MolWt	*	Molecular Weight Parameter		-0.8765
Const	*	Equation Constant		3.1992
RESULT		Biowin3 (Survey Model - Ultimate Biodeg)		3.1998

TYPE	NUM	Biowin4 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	0.2691	0.5381
Frag	2	Ester [-C(=O)-O-C]	0.2290	0.4579

MolWt	*	Molecular Weight Parameter		-0.5722
Const	*	Equation Constant		3.8477
RESULT		Biowin4 (Survey Model - Primary Biodeg)		4.2716

Result Classification: 5.00 -> hours 4.00 -> days 3.00 -> weeks
(Primary & Ultimate) 2.00 -> months 1.00 -> longer

TYPE	NUM	Biowin5 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.3437	0.6875
Frag	4	Methyl [-CH3]	0.0004	0.0016
Frag	10	-CH2- [linear]	0.0494	0.4942
Frag	2	-CH- [linear]	-0.0507	-0.1013
Frag	4	-CH2- [cyclic]	0.0197	0.0789
Frag	2	-CH - [cyclic]	0.0124	0.0249
MolWt	*	Molecular Weight Parameter		-1.1799
Const	*	Equation Constant		0.7121
RESULT		Biowin5 (MITI Linear Biodeg Probability)		0.7179

TYPE	NUM	Biowin6 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	2.4462	4.8923
Frag	4	Methyl [-CH3]	0.0194	0.0777
Frag	10	-CH2- [linear]	0.4295	4.2949
Frag	2	-CH- [linear]	-0.0998	-0.1995
Frag	4	-CH2- [cyclic]	0.2365	0.9461
Frag	2	-CH - [cyclic]	-0.1295	-0.2589
MolWt	*	Molecular Weight Parameter		-11.4498
RESULT		Biowin6 (MITI Non-Linear Biodeg Probability)		0.6960

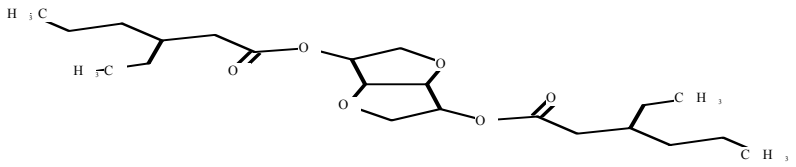
A Probability Greater Than or Equal to 0.5 indicates --> Readily Degradable
A Probability Less Than 0.5 indicates --> NOT Readily Degradable

TYPE	NUM	Biowin7 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Linear C4 terminal chain [CCC-CH3]	-0.3177	-0.6355
Frag	2	Ester [-C(=O)-O-C]	0.1719	0.3437
Frag	4	Methyl [-CH3]	-0.0796	-0.3183
Frag	10	-CH2- [linear]	0.0260	0.2599
Frag	2	-CH- [linear]	-0.1659	-0.3317
Frag	4	-CH2- [cyclic]	-0.1200	-0.4801
Frag	2	-CH - [cyclic]	0.0395	0.0789
Const	*	Equation Constant		0.8361
RESULT		Biowin7 (Anaerobic Linear Biodeg Prob)		-0.2469

A Probability Greater Than or Equal to 0.5 indicates --> Biodegrades Fast
A Probability Less Than 0.5 indicates --> Does NOT Biodegrade Fast

Ready Biodegradability Prediction: (YES or NO)

Criteria for the YES or NO prediction: If the Biowin3 (ultimate survey model) result is "weeks" or faster (i.e. "days", "days to weeks", or "weeks" AND the Biowin5 (MITI linear model) probability is >= 0.5, then the prediction is YES (readily biodegradable). If this condition is not satisfied, the prediction is NO (not readily biodegradable). This method is based on application of Bayesian analysis to ready biodegradation data (see Help). Biowin5 and 6 also predict ready biodegradability, but for degradation in the OECD301C test only; using data from the Chemicals



SMILES : C1(C2(OCC1OC(=O)(CC(CC)CCC)))OCC2OC(=O)(CC(CC)CCC)
CHEM :
MOL FOR: C22 H38 O6
MOL WT : 398.54

---------- BIOWIN v4.10 Results ----------

Biowin1 (Linear Model Prediction) : Does Not Biodegrade Fast
Biowin2 (Non-Linear Model Prediction): Does Not Biodegrade Fast
Biowin3 (Ultimate Biodegradation Timeframe): Weeks-Months
Biowin4 (Primary Biodegradation Timeframe): Days-Weeks
Biowin5 (MITI Linear Model Prediction) : Readily Degradable
Biowin6 (MITI Non-Linear Model Prediction): Not Readily Degradable
Biowin7 (Anaerobic Model Prediction): Does Not Biodegrade Fast
Ready Biodegradability Prediction: NO

TYPE	NUM	Biowin1 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.1742	0.3484
Frag	2	Aliphatic ether [C-O-C]	-0.3474	-0.6947
MolWt	*	Molecular Weight Parameter		-0.1897
Const	*	Equation Constant		0.7475
RESULT		Biowin1 (Linear Biodeg Probability)		0.2114

TYPE	NUM	Biowin2 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	4.0795	8.1590
Frag	2	Aliphatic ether [C-O-C]	-3.4294	-6.8588
MolWt	*	Molecular Weight Parameter		-5.6593
RESULT		Biowin2 (Non-Linear Biodeg Probability)		0.2058

A Probability Greater Than or Equal to 0.5 indicates --> Biodegrades Fast
A Probability Less Than 0.5 indicates --> Does NOT Biodegrade Fast

TYPE	NUM	Biowin3 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.1402	0.2804
Frag	2	Aliphatic ether [C-O-C]	-0.0087	-0.0173
MolWt	*	Molecular Weight Parameter		-0.8807
Const	*	Equation Constant		3.1992
RESULT		Biowin3 (Survey Model - Ultimate Biodeg)		2.5815

TYPE	NUM	Biowin4 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.2290	0.4579
Frag	2	Aliphatic ether [C-O-C]	-0.0097	-0.0195

MolWt	*	Molecular Weight Parameter		-0.5750
Const	*	Equation Constant		3.8477
RESULT		Biowin4 (Survey Model - Primary Biodeg)		3.7112

Result Classification: 5.00 -> hours 4.00 -> days 3.00 -> weeks
(Primary & Ultimate) 2.00 -> months 1.00 -> longer

TYPE	NUM	Biowin5 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.3437	0.6875
Frag	2	Aliphatic ether [C-O-C]	0.0015	0.0029
Frag	4	Methyl [-CH3]	0.0004	0.0016
Frag	8	-CH2- [linear]	0.0494	0.3953
Frag	2	-CH- [linear]	-0.0507	-0.1013
Frag	2	-CH2- [cyclic]	0.0197	0.0395
Frag	4	-CH - [cyclic]	0.0124	0.0498
MolWt	*	Molecular Weight Parameter		-1.1857
Const	*	Equation Constant		0.7121
RESULT		Biowin5 (MITI Linear Biodeg Probability)		0.6017

TYPE	NUM	Biowin6 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	2.4462	4.8923
Frag	2	Aliphatic ether [C-O-C]	-0.1071	-0.2143
Frag	4	Methyl [-CH3]	0.0194	0.0777
Frag	8	-CH2- [linear]	0.4295	3.4360
Frag	2	-CH- [linear]	-0.0998	-0.1995
Frag	2	-CH2- [cyclic]	0.2365	0.4730
Frag	4	-CH - [cyclic]	-0.1295	-0.5178
MolWt	*	Molecular Weight Parameter		-11.5055
RESULT		Biowin6 (MITI Non-Linear Biodeg Probability)		0.2626

A Probability Greater Than or Equal to 0.5 indicates --> Readily Degradable
A Probability Less Than 0.5 indicates --> NOT Readily Degradable

TYPE	NUM	Biowin7 FRAGMENT DESCRIPTION	COEFF	VALUE
Frag	2	Ester [-C(=O)-O-C]	0.1719	0.3437
Frag	2	Aliphatic ether [C-O-C]	-0.2573	-0.5145
Frag	4	Methyl [-CH3]	-0.0796	-0.3183
Frag	8	-CH2- [linear]	0.0260	0.2079
Frag	2	-CH- [linear]	-0.1659	-0.3317
Frag	2	-CH2- [cyclic]	-0.1200	-0.2400
Frag	4	-CH - [cyclic]	0.0395	0.1578
Const	*	Equation Constant		0.8361
RESULT		Biowin7 (Anaerobic Linear Biodeg Prob)		0.1410

A Probability Greater Than or Equal to 0.5 indicates --> Biodegrades Fast
A Probability Less Than 0.5 indicates --> Does NOT Biodegrade Fast

Ready Biodegradability Prediction: (YES or NO)

Criteria for the YES or NO prediction: If the Biowin3 (ultimate survey model) result is "weeks" or faster (i.e. "days", "days to weeks", or "weeks" AND the Biowin5 (MITI linear model) probability is >= 0.5, then the prediction is YES (readily biodegradable). If this condition is not satisfied, the prediction is NO (not readily biodegradable). This method is based on application of Bayesian analysis to ready biodegradation data