Benzoximate

Other names: Benzoic acid, anhydride with 3-chloro-N-ethoxy-2,6-dimethoxybenzenecarboximidic acid
Benzoic acid, anhydride with 3-chloro-N-ethoxy-2,6-dimethoxybenzimidic acid
Benzomate
Citrazon
Benzohydroxamic acid, O-benzoyl-3-chloro-2,6-dimethoxy-N-ethyl-
Acarmate
Artaban
Benzoic 3-chloro-N-ethoxy-2,6-dimethoxybenzimidic anhydride
Benzoxamate
Ethyl O-benzoyl 3-chloro-2,6-dimethoxy-benzohydroximate
NA-53
Benzimidic acid, 3-chloro-N-ethoxy-2,6-dimethoxy-, anhydride with benzoic acid
Ethyl O-benzoyl-3-chloro-2,6-dimethoxybenzohydroxamate
Aazomate
(3-Chloro-2,6-dimethoxyphenyl)(ethoxyimino)methyl benzoate

Inchi: InChI=1S/C18H18ClNO5/c1-4-24-20-17(25-18(21)12-8-6-5-7-9-12)15-14(22-2)11-10-13(

InchiKey: BZMIHNKNQJJVRO-UHFFFAOYSA-N

Formula: C18H18ClNO5

SMILES: CCON=C(OC(=O)c1ccccc1)c1c(OC)ccc(Cl)c1OC

Mol. weight [g/mol]: 363.79

CAS: 29104-30-1

Physical Properties

Property code	Value	Unit	Source
hf	-560.97	kJ/mol	Joback Method
hvap	86.36	kJ/mol	Joback Method
log10ws	-4.93		Crippen Method
logp	3.912		Crippen Method
mcvol	259.930	ml/mol	McGowan Method
pc	1637.78	kPa	Joback Method
tb	937.08	K	Joback Method
tc	1175.25	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C29104301&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature