Glutaric acid, monoamide, N-(2-biphenyl)-, tridecyl ester

Inchi: InChI=1S/C30H43NO3/c1-2-3-4-5-6-7-8-9-10-11-17-25-34-30(33)24-18-23-29(32)31-28-

InchiKey: NUELPKIPCHQOIQ-UHFFFAOYSA-N

Formula: C30H43NO3

SMILES: CCCCCCCCCCCCCOC(=O)CCCC(O)=Nc1ccccc1-c1ccccc1

Mol. weight [g/mol]: 465.67

Physical Properties

Property code	Value	Unit	Source
hf	-525.54	kJ/mol	Joback Method
hvap	116.82	kJ/mol	Joback Method
log10ws	-10.02		Crippen Method
logp	8.966		Crippen Method
mcvol	405.030	ml/mol	McGowan Method
pc	858.47	kPa	Joback Method
rinpol	3056.00		NIST Webbook
rinpol	3056.00		NIST Webbook
tb	1189.17	K	Joback Method
tc	1473.16	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U360051&Units=SI

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature