2-(2-IODOBENZOYL)PYRIDINE

Other names: 2-(2-Iodobenzoyl)pyridine
Inchi: InChI=1S/C12H8INO/c13-10-6-2-1-5-9(10)12(15)11-7-3-4-8-14-11/h1-8H
InchiKey: WEIIEZGIHJXLBT-UHFFFAOYSA-N
Formula: C12H8INO
SMILES: O=C(c1ccccn1)c1ccccc1I
Mol. weight [g/mol]: 309.11

Physical Properties

Property code	Value	Unit	Source
hf	171.10	kJ/mol	Cheméo Relay (1.0)
hvap	92.82	kJ/mol	Cheméo Relay (1.0)
ie	8.78	eV	Cheméo Relay (1.0)
log10ws	-3.51		Cheméo Relay (1.0)
logp	2.917		Crippen Method
mcvol	169.790	ml/mol	McGowan Method
tb	636.00	K	Cheméo Relay (1.0)
tf	370.68	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C76160355&Units=SI
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hf: Enthalpy of formation at standard conditions
hvap: Enthalpy of vaporization at standard conditions

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point