

Carvone, 2,4-dinitrophenyl hydrazone

Other names:

Carvone, 2,4-dinitrophenyl hydrazone
p-Mentha-6,8-dien-2-one, 2,4-dinitro-phenylhydrazone
2,4-Dinitrophenylhydrazone carvone

Inchi:

InChI=1S/C16H18N4O4/c1-10(2)12-5-4-11(3)15(8-12)18-17-14-7-6-13(19(21)22)9-16(14)

InchiKey:

ZACXARIVELKBSR-UHFFFAOYSA-N

Formula:

C16H18N4O4

SMILES:

C=C(C)C1CC=C(C)C(=NNc2ccc([N+](=O)[O-])cc2[N+](=O)[O-])C1

Mol. weight [g/mol]:

330.34

Physical Properties

Property code	Value	Unit	Source
logp	4.203		Crippen Method
mcvol	243.580	ml/mol	McGowan Method

Sources

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

Cheméo Relay (1.0):**Cheméo Relay (1.0, beta):****NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C3102612&Units=SI>

Joback Method:

https://en.wikipedia.org/wiki/Joback_method

Legend

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/52-562-0/Carvone-2-4-dinitrophenyl-hydrazone.pdf>

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