

1-[2-(Trifluoromethyl)phenyl]-1H-imidazole

Inchi: InChI=1S/C10H7F3N2/c11-10(12,13)8-3-1-2-4-9(8)15-6-5-14-7-15/h1-7H
InchiKey: WZBWBNCQUTXYEL-UHFFFAOYSA-N
Formula: C10H7F3N2
SMILES: FC(F)(F)c1ccccc1-n1ccnc1
Mol. weight [g/mol]: 212.17

Physical Properties

Property code	Value	Unit	Source
hvap	74.20	kJ/mol	Cheméo Relay (1.0)
logp	2.891		Crippen Method
mcvol	133.810	ml/mol	McGowan Method
tb	539.71	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=C25371964&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

hvap: Enthalpy of vaporization at standard conditions
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
tb: Normal Boiling Point Temperature

Latest version available from:

<https://www.chemeo.com/cid/124-358-7/1-2-Trifluoromethyl-phenyl-1H-imidazole.pdf>

Generated by Cheméo on 2026-07-25 07:24:47.883441015 +0000 UTC m=+475383.725326420.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.