

5-(3-Dimethylaminopropyl)-10,11-dihydro-5h-dibenz[b,f]azepine hydrochloride

Other names:

10,11-dihydro-N,N-dimethyl-5H-dibenz[b,f]azepine-5-propanamine,
hydrochloride
3-(10,11-dihydro-5H-dibenzo[b,f]azepin-5-yl)-N,N-dimethylpropan-1-amine
hydrochloride
3-(10,11-dihydro-5H-dibenzo[b,f]azepin-5-yl)-N,N-dimethylpropan-1-amine
hydrochloride (1:1)
imipramine hydrochloride
melipramine hydrochloride

Inchi: InChI=1S/C19H24N2.ClH/c1-20(2)14-7-15-21-18-10-5-3-8-16(18)12-13-17-9-4-6-11-19(19)1-20
InchiKey: XZZXIYZZBJDEEP-UHFFFAOYSA-N
Formula: C19H25ClN2
SMILES: CN(C)CCCN1c2ccccc2CCc2ccccc21.Cl
Mol. weight [g/mol]: 316.87
CAS: 113-52-0

Physical Properties

Property code	Value	Unit	Source
tf	445.10 ± 0.50	K	NIST Webbook

Sources

Thermodynamics of Some Amphiphilic Drugs in Presence of Additives: <https://www.doi.org/10.1021/je900749a>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C113520&Units=SI>

Legend

tf: Normal melting (fusion) point

Latest version available from:

<https://www.cheméo.com/cid/38-365-5/5-3-Dimethylaminopropyl-10-11-dihydro-5h-dibenz-b-f-azepine-hydrochloride>.

Generated by Cheméo on 2024-04-25 16:38:48.215443872 +0000 UTC m=+16352377.136021188.

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