Procaine, hydrochloride

Other names:	2-diethylaminoethyl p-aminobenzoate hydrochloride benzoic acid, 4-amino-, 2-(diethylamino)ethyl ester, monohydrochloride benzoic acid, p-amino-, 2-(diethylamino)ethyl ester, monohydrochloride chlorocaine diethylaminoethanol 4-aminobenzoate hydrochloride novocaine novocaine hydrochloride procaine hydrochloride
Inchi:	InChI=1S/C13H20N2O2.ClH/c1-3-15(4-2)9-10-17-13(16)11-5-7-12(14)8-6-11;/h5-8H,3-4,
InchiKey:	HCBIBCJNVBAKAB-UHFFFAOYSA-N
Formula:	C13H21ClN2O2
SMILES:	CCN(CC)CCOC(=O)c1ccc(N)cc1.Cl
Mol. weight [g/mol]:	272.77
CAS:	51-05-8

Physical Properties

Property code	Value	Unit	Source
tf	429.00 ± 1.00	K	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C51058&Units=SI
Thermodynamic studies of drug - .alpha.-cyclodextrin interactions in water at 298.15 K: Procaine hydrochloride/tetracaine hydrochloride/lidocaine	https://www.doi.org/10.1016/j.jct.2013.09.003
A volumetric approach: Interactions of some local anesthetical drugs with effect of NaCl and KCl on volumetric and acoustic behaviour of procaine hydrochloride/tetracaine hydrochloride/lidocaine and cocaine hydrochloride	https://www.doi.org/10.1016/j.jct.2016.12.023
Effect of NaCl and KCl on volumetric and acoustic behaviour of procaine hydrochloride/tetracaine hydrochloride/lidocaine and cocaine hydrochloride	https://www.doi.org/10.1016/j.jct.2017.04.015
Thermodynamic studies of drug-cyclodextrin interactions in different temperatures (288.15, 298.15 and 308.15) K: Procaine, Lidocaine, and Tetracaine Hydrochloride at 298.15 K:	https://www.doi.org/10.1021/je3006985

Legend

tf:	Normal melting (fusion) point

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