

# 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

Activity and Activity Coefficient Studies <https://www.doi.org/10.1021/je3006985>

of Aqueous Binary Solutions of Procaine, Novocaine, and Tetracaine Hydrochloride at 298.15 K: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C51058&Units=SI>

Thermodynamic studies of drug - .alpha.-cyclodextrin interactions in <https://www.doi.org/10.1016/j.jct.2013.09.003>

aqueous solution: Procaine interactions of <https://www.doi.org/10.1016/j.jct.2016.12.023>

some local anesthetic drugs with <https://www.doi.org/10.1016/j.jct.2017.04.015>

hydrochloride in aqueous solution at

different temperatures (288.15, 298.15 and 308.15) K:

## Legend

tf: Normal melting (fusion) point

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