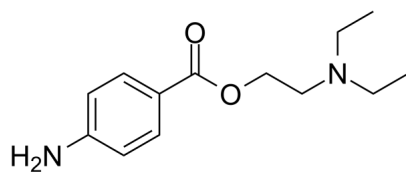


Data Sheet

Product Information

Catalog Number	BP13423
Product Name	Procaine
Description	Procaine is a local anesthetic of the ester type that has a slow onset and a short duration of action. It is mainly used for infiltration anesthesia, peripheral nerve block, and spinal block.
In vitro	The viability of HLE, HuH7, and HuH6 cells is significantly decreased by procaine treatment. Inhibition of S/G2/M transition, morphological changes such as vacuolation and no increase in apoptosis rate are observed in the procaine-treated HLE cells. All the genes transcriptionally suppressed by DNA hypermethylation are demethylated and reactivated with procaine treatment. Procaine has growth-inhibitory and demethylating effects on human hepatoma cells.
In vivo	Procaine has a growth-inhibitory and demethylating effect against xenograft in vivo.
Synonyms	Vitamin H3, Duracaine, Spinocaine, Novocaine
CAS No.	59-46-1
Chemical Formula	C13H20N2O2
Molecular Weight	236.32
Solubility	H2O: <1 mg/mL DMSO: 47 mg/mL (198.89 mM); Ethanol: 43 mg/mL(182 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022