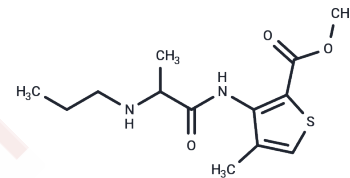


Articaine

Chemical Properties

CAS No. :	23964-58-1
Formula:	C ₁₃ H ₂₀ N ₂ O ₃ S
Molecular Weight:	284.37
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Articaine (Hoe-045 free base), an amide anesthetic featuring an ester group, effectively relieves pain by reversibly binding to the α -subunit of the voltage-gated sodium channels located in the nerve's inner cavity. Furthermore, Articaine mitigates LPS-induced acute kidney injury through the suppression of NF- κ B activation and inhibition of the NLRP3 inflammasome pathway.
Targets(IC50)	Others,NF- κ B,NOD-like Receptor (NLR),Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5165 mL	17.5827 mL	35.1655 mL
5 mM	0.7033 mL	3.5165 mL	7.0331 mL
10 mM	0.3517 mL	1.7583 mL	3.5165 mL
50 mM	0.0703 mL	0.3517 mL	0.7033 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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