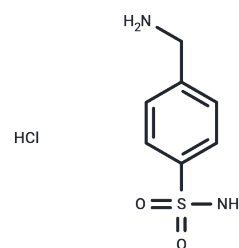


Mafenide hydrochloride

Chemical Properties

CAS No. :	138-37-4
Formula:	C ₇ H ₁₁ ClN ₂ O ₂ S
Molecular Weight:	222.69
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Mafenide hydrochloride (4-Aminomethylbenzenesulfonamide hydrochloride) is a sulfonamide that inhibits the enzyme carbonic anhydrase and is used as topical anti-infective, especially in burn therapy.
Targets(IC ₅₀)	Antibacterial,Antibiotic,Carbonic Anhydrase

Solubility Information

Solubility	H ₂ O: 197.6 mM,Sonication is recommended. DMSO: 55 mg/mL (246.98 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4905 mL	22.4527 mL	44.9055 mL
5 mM	0.8981 mL	4.4905 mL	8.9811 mL
10 mM	0.4491 mL	2.2453 mL	4.4905 mL
50 mM	0.0898 mL	0.4491 mL	0.8981 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.

Reference

Demirdag R, et al. Bioorg Med Chem. 2013 Mar 15;21(6):1522-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481