
Product Data Sheet

Product Name: Prilocaine hydrochloride

Cat. No.: GC13162

Chemical Properties

Cas. No. 1786-81-8

Chemical Name N-(2-methylphenyl)-2-(propylamino)propanamide;hydrochloride

SMILES CCCNC(C)C(=O)NC1=CC=CC=C1C.Cl

Formula $C_{13}H_{21}ClN_2O$ M.Wt 256.77

Solubility $\geq 10.4\text{mg/mL}$ in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Prilocaine hydrochloride is a local anesthetic of the amino amide type. Target: Others Prilocaine is a local anesthetic of the amino amide type first prepared by Claes Tegner and Nils L fgren. In its injectable form (trade name Citanest), it is often used in dentistry. It is also often combined with lidocaine as a preparation for dermal anesthesia, for treatment of conditions like paresthesia. As it has low cardiac toxicity, it is commonly used for intravenous regional anaesthesia (IVRA). In some patients, a metabolite of prilocaine may cause the unusual side effect of methemoglobinemia, which may be treated with methylene blue. Maximum dosage for dental use: 8.0 mg/kg (2.7 mg/lb), with a maximum dose of 500 mg. Eutectic Mixture of Local Anesthetics (EMLA) containing 5% lidocaine and prilocaine in a cream was found to give effective topical analgesia in normal and diseased skin, making it useful for superficial surgery and various other clinical procedures. To be effective, an adequate amount must be applied under occlusion and at the right time before the intervention.

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

- [1]. Eriksson E. Prilocaine. An experimental study in man of a new local anaesthetic with special regards to efficacy, toxicity and excretion. Acta Chir Scand Suppl. 1966;358:1-82.
- [2]. Juhlin L, et al. EMLA: a new topical anesthetic. Adv Dermatol. 1990;5:75-91; discussion 92.

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