Product datasheet

Clindamycin ab142005

Overview

Product name: Clindamycin

Description: Broad spectrum antimicrobial activity

Biological description: Broad spectrum antimicrobial agent. Active against Gram-positive and Gram-negative bacteria and selected protozoa. Competitive inhibitor of peptide formation in large 50S ribosomal unit. Orally active \textit{in vivo}.

Purity: $>99\%$

Properties

Chemical name: $(2S,4R)-N-\{(1S,2S)-2$-Chloro-$1-$\{(2R,3R,4S,5R,6R)-3,4,5$-\text{tri}$$\text{hydroxy}-6$-methyl$\text{sulfanyl}$oxan-2-yl$\}propyl\}-1$-methyl-4-propylpyrrolidine-2-carboxamide

Molecular weight: 424.98

Chemical structure:

![Chemical structure of Clindamycin](image)

Molecular formula: $C_{18}H_{33}CIN_2O_5S$

CAS Number: 18323-44-9

PubChem identifier: 446598

Storage instructions: Store at $+4^\circ\text{C}$. The product can be stored for up to 12 months.

Solubility overview: Soluble in DMSO to 100 mM and in 1 eq HCl to 100 mM

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at $-20^\circ\text{C}$. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: CCCC1CC(N(C1)C(=O)NC(C2C(C(C(O2)SC)O)O)O)O)C(C)Cl
Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS".

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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