Product datasheet

Piperacillin sodium ab143438

Overview

Product name | Piperacillin sodium
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Description | Extended spectrum beta-lactam antibiotic
Biological description | Extended spectrum beta-lactam antibiotic. Inhibits bacterial cell wall synthesis.
Purity | > 89%

Properties

Chemical name | Sodium (2S,5R,6R)-6-[[2R]-2-[(4-ethyl-2,3-dioxopiperazine-1-carbonyl)amino]-2-phenylacetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate
Molecular weight | 539.54
Chemical structure | ![Chemical structure](image)

Molecular formula | C_{23}H_{26}N_{5}NaO_{7}S
CAS Number | 59703-84-3
PubChem identifier | 23666879
Storage instructions | Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview | Soluble in water and in ethanol
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°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 | CCN1CCN(C(=O)C1=O)C(=O)NC(C2=CC=C(C=S4)(C(C=S)C=C(=O)C)C)C[=O]O-.[Na+] [O-]
Source | Synthetic
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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- We provide support in Chinese, English, French, German, Japanese and Spanish
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