Product datasheet

Tazobactam sodium salt, beta-lactamase inhibitor
ab143702

Overview

Product name Tazobactam sodium salt, beta-lactamase inhibitor
Description β-lactamase inhibitor. Antibiotic agent.
Purity > 99%
CAS Number 89785-84-2
Chemical structure

Properties

Chemical name (2S,3S,5R)-3-Methyl-7-oxo-3-(1H-1,2,3-triazol-1-ylmethyl)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 4,4-dioxide sodium salt
Molecular weight 322.27
Molecular formula C_{10}H_{11}N_{4}NaO_{5}S
PubChem identifier 23663400
Storage instructions Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview Soluble in water 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°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 C[C@][I][C@@H][N2][C@H][S1(=O)=O]CC2=O)(=O)[O-])CN3C=CN=N3[Na+] Source Synthetic
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, 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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- Extensive multi-media technical resources to help you
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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team