

Product Information

AAI101, Purity \geq 98%

Cat. No.: X24-09-YM1435

Size: 5 mg; 10 mg; 50 mg; 100 mg

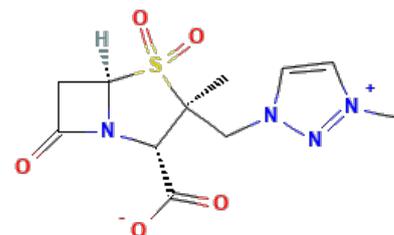
CAS Number: 1001404-83-6

Compound CID: 23653540

Synonym: 1001404-83-6; AAI-101; AAI 101; Enmetazobactam;

(2*S*,3*S*,5*R*

)-3-Methyl-3-[(3-methyltriazol-3-ium-1-yl)methyl]-4,4,7-trioxo-4λ6-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	AAI101 is a beta-lactamase inhibitor. The molecular weight of the compound is 314.32, and its molecular formula is C ₁₁ H ₁₄ N ₄ O ₅ S.
Molecular Weight	314.32
Molecular Formula	C ₁₁ H ₁₄ N ₄ O ₅ S
IUPAC Name	(2 <i>S</i> ,3 <i>S</i> ,5 <i>R</i>)-3-Methyl-3-[(3-methyltriazol-3-ium-1-yl)methyl]-4,4,7-trioxo-4λ6-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate
InChI	InChI=1S/C11H14N4O5S/c1-11(6-14-4-3-13(2)12-14)9(10(17)18)15-7(16)5-8(15)21(11,19)20/h3-4,8-9H,5-6H2,1-2H3/t8-,9+,11+/m1/s1
InChI Key	HFZITXBUTWITPT-YWVKMMECSA-N
Canonical SMILES	CC1(C(N2C(S1(=O)=O)CC2=O)C(=O)[O-])CN3C=C[N+](=N3)C
Form	Lyophilized powder
Purity	\geq 98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	AAI101 can be studied extensively for its potential therapeutic applications in the treatment of various cancers, including solid tumors and hematological malignancies.



Storage

Store at -20°C, and keep desiccated.
