



Product Information

Antifection inhibitor Pivmecillinam hydrochloride, Purity ≥98%

Cat. No.: X24-07-ZQ109

Size: 10 mg; 50 mg; 100 mg; 200 mg

CAS Number: 32887-03-9

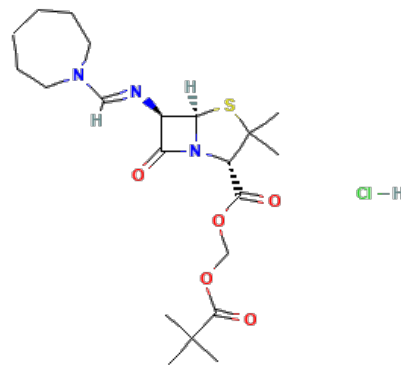
Compound CID: 115162

Synonym: 32887-03-9; Antifection inhibitor; Pivmecillinam Hydrochloride; Melysin;

Pivmecillinam (hydrochloride); UNII-48FX7N21H2; Pivmecilinamo clorhidrato

[Spanish]; Pivmecillinam Hydrochloride; Pivoxil; Amdinocillin; Selexid

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



Product Information

Description	Pivmecillinam hydrochloride, soluble in DMSO, water and ethanol, has strong immunosuppressant properties.
Molecular Weight	476.03
Molecular Formula	C ₂₁ H ₃₄ ClN ₃ O ₅ S
IUPAC Name	2,2-Dimethylpropanoyloxymethyl (2 <i>S</i> ,5 <i>R</i> ,6 <i>R</i>))-6-(azepan-1-ylmethylideneamino)-3,3-dimethyl- 7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate;hydrochloride
InChI	InChI=1S/C21H33N3O5S.ClH/c1-20(2,3)19(27)29-13-28-18(26)15-21(4,5)30-17-14(16(25)24(15)17)22-12-23-10-8-6-7-9-11-23;/h12,14-15,17H,6-11,13H2,1-5H3;1H/t14-,15+,17-;/m1./s1
InChI Key	UHPXMYLONAGUPC-WKLLBTDKSA-N
Canonical SMILES	CC1(C(N2C(S1)C(C2=O)N=CN3CCCCC3)C(=O)OCOC(=O)C(C)(C)C)C.Cl
Isomeric SMILES	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N=CN3CCCCC3)C(=O)OCOC(=O)C(C)(C)C)C.Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 81 mg/mL (170.15 mM); Water: 81 mg/mL (170.15 mM); Ethanol: 81 mg/mL (170.15 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade



Applications

Pivmecillinam hydrochloride is used to research its bactericidal activity, hindering bacterial cell wall synthesis particularly in Gram-negative bacteria.

Storage

Store at -20°C, and keep desiccated.
