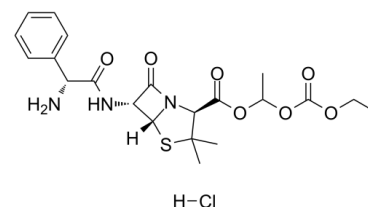


Data Sheet

Product Name:	Bacampicillin (hydrochloride)
Cat. No.:	CS-4754
CAS No.:	37661-08-8
Molecular Formula:	C ₂₁ H ₂₈ ClN ₃ O ₇ S
Molecular Weight:	501.98
Target:	Bacterial
Pathway:	Anti-infection
Solubility:	DMSO : ≥ 5.1 mg/mL (10.16 mM)



BIOLOGICAL ACTIVITY:

Bacampicillin hydrochloride is a penicillin antibiotic, is a prodrug of ampicillin with improved oral bioavailability.

References:

[1]. Bodin NO, et al. Bacampicillin: a new orally well-absorbed derivative of ampicillin. Antimicrob Agents Chemother. 1975 Nov;8(5):518-25.

CAIndexNames:

4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[(2R)-2-amino-2-phenylacetyl]amino]-3,3-dimethyl-7-oxo-, 1-[(ethoxycarbonyl)oxy]ethyl ester, hydrochloride (1:1), (2S,5R,6R)-

SMILES:

O=C([C@@H](C(C)(C)S[C@]1([H])[C@@H]2NC([C@H](N)C3=CC=CC=C3)=O)N1C2=O)OC(OC(OCC)=O)C.[H]Cl

Caution: Product has not been fully validated for medical applications. For research use only.

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