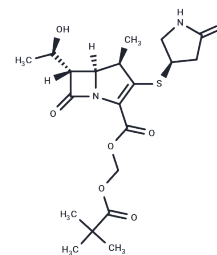


CS 834

Chemical Properties

CAS No. :	157542-49-9
Formula:	C ₂₀ H ₂₈ N ₂ O ₇ S
Molecular Weight:	440.51
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	CS 834, a novel oral carbapenem antibiotic, is an ester prodrug of the active metabolite R-95867.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2701 mL	11.3505 mL	22.701 mL
5 mM	0.454 mL	2.2701 mL	4.5402 mL
10 mM	0.227 mL	1.135 mL	2.2701 mL
50 mM	0.0454 mL	0.227 mL	0.454 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- van Ogtrop ML. CS-834 (Sankyo). IDrugs. 1999 Mar;2(3):254-8. PubMed PMID: 16160937.
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- Kobayashi K, Fukuhara H, Kawamoto I, Ito S, Hata T. Crystal structure of a 1beta-methylcarbapenem antibiotic, pivaloyloxymethyl (1R,5S,6S)-6-[(R)-1-hydroxyethyl]-1-methyl-2-[[[(R)-5-oxopyrrolidin-3-yl]thio]-1-c arbapen-2-em-3-carboxylate, CS-834 dihydrate. Anal Sci. 2001 Feb;17(2):357-8. PubMed PMID: 11990557.

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