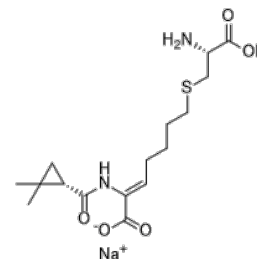


Product Name : Cilastatin sodium
Cat. No. : PC-27654
CAS No. : 81129-83-1
Molecular Formula : C₁₆H₂₅N₂NaO₅S
Molecular Weight : 380.43
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

Cilastatin sodium (MK-0791) is a reversible, competitive renal dehydropeptidase I (DPEP1) inhibitor with IC₅₀ of 0.1 μM, also inhibits bacterial metallo-β-lactamase enzyme CphA, suppresses the invasion and metastasis of DPEP1-expressing cells.

References

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Huo X, et al. Acta Pharm Sin B. 2019 Sep;9(5):986-996.
Park SY, et al. Oncotarget. 2016 Feb 23;7(8):9501-12.
S Keynan, et al. Antimicrob Agents Chemother. 1995 Jul;39(7):1629-31.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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