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Product Datasheet

Cilastatin Na, CAS [[81129-83-1]] FBM-10-2233

Article Name	Cilastatin Na, CAS [[81129-83-1]]
Biozol Catalog Number	FBM-10-2233
Supplier Catalog Number	10-2233
Alternative Catalog Number	FBM-10-2233-10MG, FBM-10-2233-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Protease inhibitor...
Molecular Weight	380.43
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[81129-83-1]
Formula	C ₁₆ H ₂₅ N ₂ O ₅ Na
Application Notes	Dehydropeptidase-1 inhibitor. Inhibits the proteolytic conversion of leukotriene D ₄ to E ₄ . ¹ Inhibits the mammalian beta-lactamase renal dipeptidase (dehydropeptidase-1, DPEP1) and thus is used as an antibacterial adjunct to extend the half-life of beta-lactam antibiotics. ² Cilastatin also inhibits bacterial metallo-beta-lactamase and thereby may block resistance to the carbapenem family of antibiotics in certain bacteria. ³ Suppresses invasion and metastasis of DPEP1-expressing tumor cells. ⁴