

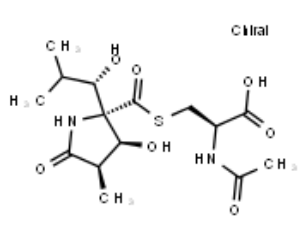
Certificate of Analysis

Target	Products>>Novel inhibitors
Cat.No	DC33498
Name	Lactacystin

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Chemical Properties

CAS	133343-34-7
Formula	C ₁₅ H ₂₄ N ₂ O ₇ S
MW	376.42
Storage	
Structure	 <p>The image shows the chemical structure of Lactacystin, a cyclic peptide. It consists of a six-membered beta-lactam ring fused to a five-membered lactone ring. The beta-lactam ring has a methyl group (CH₃) and a hydroxyl group (OH) on the nitrogen atom. The lactone ring has a methyl group (CH₃) and a hydroxyl group (OH) on the oxygen atom. A side chain is attached to the beta-lactam ring, consisting of a methylene group (CH₂) linked to a chiral center. This chiral center is bonded to a methyl group (CH₃), a hydroxyl group (OH), and a carboxylic acid group (COOH). The carboxylic acid group is further linked to another chiral center, which is bonded to a methyl group (CH₃) and a hydroxyl group (OH). The label 'Chiral' is placed above the second chiral center.</p>
Purity	

Website:
www.dcchemicals.com