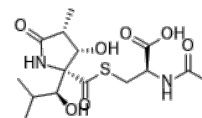


Product Name : Lactacystin
Cat. No. : PC-24468
CAS No. : 133343-34-7
Molecular Formula : C₁₅H₂₄N₂O₇S
Molecular Weight : 376.42
Target : Proteasome
Solubility : 10 mM in DMSO



Biological Activity

Lactacystin is a potent, orally active, irreversible, cell-permeable, specific proteasome inhibitor (IC₅₀=4.8 μM), also inhibits the lysosomal enzyme cathepsin A, inhibits cell cycle progression and induces neurite outgrowth in murine neuroblastoma cell line.

References

- Omura S, et al. J Antibiot (Tokyo). 1991 Jan;44(1):113-6.
Oda K, et al. Biochem Biophys Res Commun. 1996 Feb 27;219(3):800-5.
Fenteany G, et al. Science. 1995 May 5;268(5211):726-31.

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

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