

Product Name : BOC-D-FMK

Synonyms : Pentanoic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-5-fluoro-4-oxo-, methyl ester

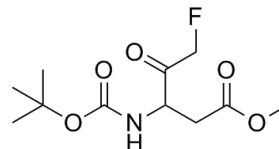
Cat No. : M15400

CAS Number : 634911-80-1

Molecular Formula : C₁₁H₁₈FNO₅

Formula Weight : 263.26

Chemical Name : Pentanoic acid, 3-[[[(1,1-dimethylethoxy)carbonyl]amino]-5-fluoro-4-oxo-, methyl ester



Description : BOC-D-FMK is a cell-permeable, irreversible, broad spectrum caspase inhibitor, inhibits apoptosis stimulated by TNF- α with IC₅₀ of 39 μ M; inhibits TNF α -stimulated reactive oxygen species (ROS) generation, prevents genistein-induced apoptosis of p815 cells at 50 μ M; shows neuroprotective effects on spinal motoneurons (MNs) after root avulsion in neonatal rats, suppresses polyethylene particle-induced osteolysis in mice.

Pathway : Apoptosis

Target : Caspase

Receptor : Caspase

Solubility : DMSO: $\geq$ 125 mg/mL

SMILES : CC(C)(C)OC(=O)NC(CC(=O)OC)C(=O)CF

Storage : (-20°C)

Stability : $\geq$ 2 years

Reference :

1. Cowburn AS, et al. Blood. 2005 Apr 1;105(7):2970-2. 2. Yee SB, et al. Exp Mol Med. 2006 Dec 31;38(6):634-42. 3. Chan YM, et al. Exp Neurol. 2003 Jun;181(2):190-203. 4. Landgraeber S, et al. Apoptosis. 2009 Feb;14(2):173-81.