
Odanacatib

产品编号: D51066

CAS: 603139-19-1

分子式: C₂₅H₂₇F₄N₃O₃S

纯度: ≥98%

InChi: InChI=1S/C₂₅H₂₇F₄N₃O₃S/c1-23(2,26)14-20(22(33)32-24(15-30)12-13-24)31-21(25(27,28)29)18-6-4-16(5-7-18)17-8-10-19(11-9-17)36(3,34)35/h4-11,20-21,31H,12-14H₂,1-3H₃, (H,32,33)/t20-,21-/m0/s1

InChi Key: FWIVDMJALNEADT-SFTDATJTSA-N

Smiles: CC(C)(F)C[C@H](N[C@@H](C1C=CC(=CC=1)C1C=CC(=CC=1)S(C)(=O)=O)C(F)(F)F)C(=O)NC1(C)C#N

外观: 固体粉末

作用通路: Cathepsin

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: Odanacatib, also known as MK-0822, is an inhibitor of cathepsin K with potential anti-osteoporotic activity. Odanacatib selectively binds to and inhibits the activity of cathepsin K, which may result in a reduction in bone resorption, improvement of bone mineral density, and a reversal in osteoporotic changes. Cathepsin K, a tissue-specific cysteine protease that catalyzes degradation of bone matrix proteins such as collagen I/II, elastin, and osteonectin plays an important role in osteoclast function and bone resorption. Check for active clinical trials or closed clinical trials using this agent. (NCI Thesaurus).