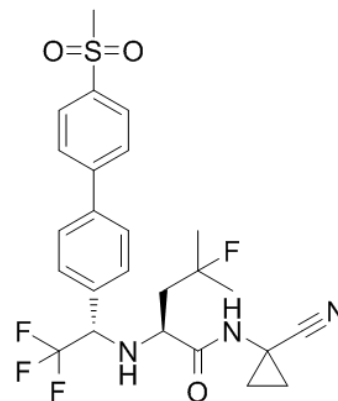


Product Name : Odanacatib
Cat. No. : PC-42147
CAS No. : 603139-19-1
Molecular Formula : C₂₅H₂₇F₄N₃O₃S
Molecular Weight : 525.5588
Target : Cathepsin
Solubility : DMSO: ≥25 mg/mL



Biological Activity

Odanacatib (MK-0822) is a potent, selective, reversible and orally active **cathepsin K** inhibitor with IC₅₀ of 0.2 nM. Odanacatib (MK-0822) displays >300-fold selectivity over cathepsin B, L, S, F, and V. Odanacatib (MK-0822) demonstrates the potentiation for the treatment of osteoporosis and other skeletal disorders associated with excessive bone remodeling.

References

- Gauthier JY, et al. *Bioorg Med Chem Lett*. 2008 Feb 1;18(3):923-8.
Kumar V, et al. *Mol Pharm*. 2009 Jul-Aug;6(4):1118-24.
Eisman JA, et al. *J Bone Miner Res*. 2011 Feb;26(2):242-51.

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

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