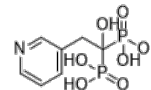


Product Name : Risedronate
Cat. No. : PC-26883
CAS No. : 105462-24-6
Molecular Formula : C₇H₁₁NO₇P₂
Molecular Weight : 283.11
Target : Dickkopf-1 (Dkk-1)
Solubility : 10 mM in DMSO



Biological Activity

Risedronate (Risedronic acid) is a bisphosphonate and potent antiresorptive agent, induces apoptosis, inhibits the transfer of farnesyl pyrophosphate groups to parasite proteins, inhibits blood-stage Plasmodium falciparum with IC₅₀ of 20.3 μM, also is a small-molecule DKK1 antagonist that attenuates DKK1-mediated LRP6 sequestration, restores Wnt/β-catenin signaling.

References

- Manandhar S, et al. Eur J Pharmacol. 2026 May 14;1026:178971.
Jordao FM, et al. Antimicrob Agents Chemother. 2011 May;55(5):2026-31.
Fujita H, et al. Basic Clin Pharmacol Toxicol. 2011 Aug;109(2):78-84.

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

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