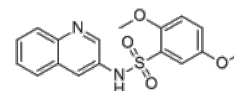


Product Name : MLS 0038949
Cat. No. : PC-62545
CAS No. : 496014-13-2
Molecular Formula : C₁₇H₁₆N₂O₄S
Molecular Weight : 344.385
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

MLS 0038949 is a potent, selective **tissue-nonspecific alkaline phosphatase (TNAP)** inhibitor with IC₅₀ of 0.19 uM, shows no activity against IAP and PLAP (IC₅₀>100 uM).

MLS 0038949 suppresses vascular smooth muscle cell calcification combined with PHOSPHO1 inhibitor MLS-0263839.

MLS 0038949 eliminates AMP hydrolysis in DRG and spinal lamina II of dKO mice.

References

Street SE, et al. *J Neurosci.* 2013 Jul 3;33(27):11314-22.

Kiffer-Moreira T, et al. *J Bone Miner Res.* 2013 Jan;28(1):81-91.

Dahl R, et al. *J Med Chem.* 2009 Nov 12;52(21):6919-25.

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

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