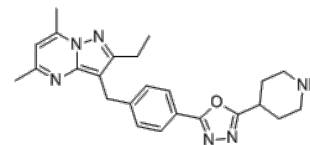


Product Name : NE52-QQ57
Cat. No. : PC-20835
CAS No. : 1401728-56-0
Molecular Formula : C₂₄H₂₈N₆O
Molecular Weight : 416.53
Target : Proton-sensing GPCRs
Solubility : 10 mM in DMSO



CAS: 1401728-56-0

Biological Activity

NE52-QQ57 (GPR4 antagonist 13) is a potent, elective, and efficacious **GPR4** antagonist with IC₅₀ of 70 nM (hGPR4). GPR4 antagonist 13 displays no significant inhibition against a panel of enzymes, receptors, and ion channels. GPR4 antagonist 13 is also selective over the related proton sensing receptors OGR1 and TDAG8. GPR4 antagonist 13 weakly inhibits rat GPR4 with IC₅₀ of 1.84 μM. GPR4 antagonist 13 shows significant efficacy in the rat antigen induced arthritis as well as in the hyperalgesia and angiogenesis model at a well-tolerated dose of 30 mg/kg.

References

Juraj Velcicky, et al. *J Med Chem*. 2017 May 11;60(9):3672-3683.

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

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