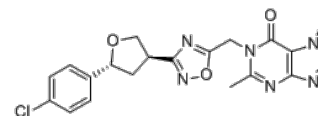


Product Name : GDC-6599
Cat. No. : PC-21908
CAS No. : 2376824-99-4
Molecular Formula : C₂₀H₁₉ClN₆O₃
Molecular Weight : 426.86
Target : TRP Channel
Solubility : 10 mM in DMSO



CAS: 2376824-99-4

Biological Activity

Nedizantrep (GDC-6599) is a potent, selective transient receptor potential ankyrin 1 (**TRPA1**) antagonist with IC₅₀ of 5.3 nM (hTRPA1), exhibits TRPA1 cell potency (IC₅₀=20 nM) in the Ca²⁺ influx assay in CHO cells.

GDC-6599 displays cross-species potency against rat, dog, monkey and guinea pigs TRPA1 with IC₅₀ of 18, 29, 22 and 46 nM, respectively.

GDC-6599 (3 mg/kg, p.o.) significantly reduced skin blood flow induced by topical application of TRPA1 agonist AITC in PD model.

GDC-6599 blocks aldehyde oxidase (AO)-mediated metabolism and ameliorates coagulation effects in vivo.

References

Terrett JA, et al. *J Med Chem*. 2024 Mar 3. doi: 10.1021/acs.jmedchem.3c02121.

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

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