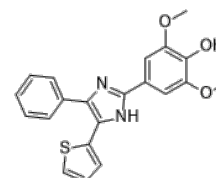


Product Name : DPTIP
Cat. No. : PC-22881
CAS No. : 351353-48-5
Molecular Formula : C₂₁H₁₈N₂O₃S
Molecular Weight : 378.45
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 351353-48-5

Biological Activity

DPTIP is a potent brain penetrant neutral sphingomyelinase 2 (N-SMase 2) inhibitor with IC₅₀ of 30 nM.

DPTIP blocks EV secretion in a dose dependent manner (0.03-30 μM), and at 30 μM, decreases exosome release by 50% in astrocytes. DPTIP (10 mg/kg IP) inhibits IL-1β-induced astrocyte-derived EV release in vivo.

References

Camilo Rojas, et al. Sci Rep. 2018 Dec 7;8(1):17715.

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

E-mail: tech@probechem.com