
Product Data Sheet

Product Name: VP3.15
Cat. No.: GC37923

Chemical Properties

Cas. No. 1281681-54-6

SMILES N1(CC/N=C2N=C(C3=CC=CC=C3)N(C4=CC=CC=C4)S/2)CCOCC1

Formula $C_{20}H_{22}N_4OS$ M.Wt 366.48

Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

VP3.15 is a potent, orally bioavailable and CNS-penetrant dual phosphodiesterase (PDE)7- glycogen synthase kinase (GSK)3 inhibitor, with IC50s of $1.59\ \mu M$ and $0.88\ \mu M$ for PDE7 and GSK-3, respectively. VP3.15 has neuroprotective and neuroreparative activities, thus as potential combined anti-inflammatory and pro-remyelinating therapies for multiple sclerosis (MS)[1]. IC50: $1.59\ \mu M$ (PDE7), $0.88\ \mu M$ (GSK-3)[1]

[1]. Medina-Rodríguez EM, et al. Promoting in vivo remyelination with small molecules: a neuroreparative pharmacological treatment for Multiple Sclerosis. Sci Rep. 2017 Mar 3;7:43545.

Caution: Product has not been fully validated for medical applications. For research use only.

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