

Product Data Sheet

Product Name: VP3.15 dihydrobromide

Cat. No.: GC37924

Chemical Properties

Cas. No. 1281681-33-1

SMILES [H]Br.[H]Br.N1(CC/N=C2N=C(C3=CC=CC=C3)N(C4=CC=CC=C4)S2)CCOCC1

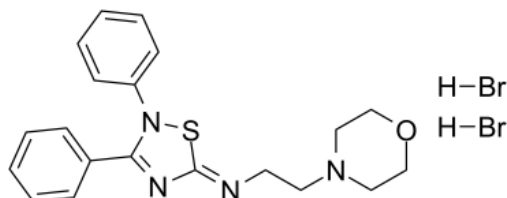
Formula $C_{20}H_{24}Br_2N_4OS$ M.Wt 528.3

Solubility DMSO: 62.5 mg/mL (118.30 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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 dihydrobromide is a potent, orally bioavailable and CNS-penetrant dual phosphodiesterase (PDE)7- glycogen synthase kinase (GSK)3 inhibitor, with IC₅₀s of 1.59 μM and 0.88 μM for PDE7 and GSK-3, respectively. VP3.15 dihydrobromide has neuroprotective and neuroreparative activities, thus as potential combined anti-inflammatory and pro-remyelinating therapies for multiple sclerosis (MS)[1]. IC₅₀: 1.59 μM (PDE7), 0.88 μM (GSK-3)[1]

[1]. Medina-Rodríguez EM, et al. Promoting in vivo remyelination with small molecules: a

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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neuroreparative pharmacological treatment for Multiple Sclerosis. Sci Rep. 2017 Mar 3;7:43545.

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