
Product Data Sheet

Product Name: IQ 1S
Cat. No.: GC50208

Chemical Properties

Cas. No. 1421610-21-0

SMILES [Na]O/N=C1C2=NC3=CC=CC=C3N=C2C4=C\1C=CC=C4

Formula C15H8N3NaO M.Wt 269.23

Solubility Soluble in DMSO 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

JNK inhibitor (Kd values are 87, 360 and 390 nM for JNK3, JNK2 and JNK1, respectively). Inhibits LPS-induced proinflammatory cytokine and nitric oxide production in vitro. Attenuates collagen-induced arthritis severity and inhibits murine delayed-type hypersensitivity in vivo. Anti-inflammatory and immunosuppressive. Also releases NO upon metabolism by liver microsomes.

Schepetkin et al (2015) Anti-Inflammatory effects and joint protection in collagen-induced arthritis after treatment with IQ-1S, a selective c-Jun N-terminal kinase Inhibitor. J.Pharmacol.Exp.Ther. 353 505 PMID:25784649 |Schepetkin et al (2012) Identification and characterization of a novel class of c-Jun N-terminal kinase inhibitors. Mol.Pharmacol. 81 832 PMID:22434859 |Atochin et al (2016) A novel dual NO-donating oxime and c-Jun N-terminal kinase inhibitor protects against cerebral ischemia-reperfusion injury in mice. Neurosci.Lett. 618 45 PMID:26923672

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