

Product Data Sheet

Product Name: Omidenepag

Cat. No.: GC61156

Chemical Properties

Cas. No. 1187451-41-7

SMILES O=C(O)CNC1=NC(CN(CC2=CC=C(N3N=CC=C3)C=C2)S(=O)(C4=CC=CN=C4)=O)=CC=C1

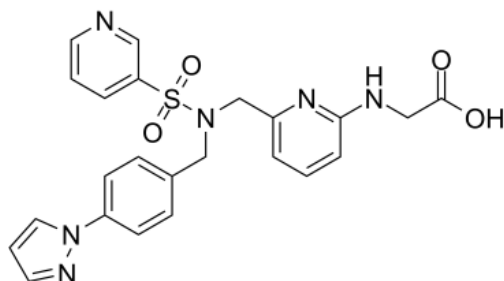
Formula C23H22N6O4S M.Wt 478.52

Solubility DMSO : 250 mg/mL (522.44 mM; Need ultrasonic) 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

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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Omidenepag, a pharmacologically active form of Omidenepag Isopropyl, is a selective, non-prostanoid EP2 receptor agonist, with an EC₅₀ of 1.1 nM. Omidenepag shows binding affinities (IC₅₀) 10 nM for h-EP2[1].

[1]. Iwamura R, et al. Identification of a Selective, Non-Prostanoid EP2 Receptor Agonist for the Treatment of Glaucoma: Omidenepag and its Prodrug Omidenepag Isopropyl. J Med Chem. 2018 Aug 9;61(15):6869-6891.

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