

Product Data Sheet

Product Name: BIO-013077-01

Cat. No.: GC62868

Chemical Properties

Cas. No. 746667-48-1

Formula $C_{17}H_{13}N_5$ M.Wt 287.32

Solubility DMSO : 100 mg/mL (348.04 mM; Storage Store at -20°C
Need ultrasonic)

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.

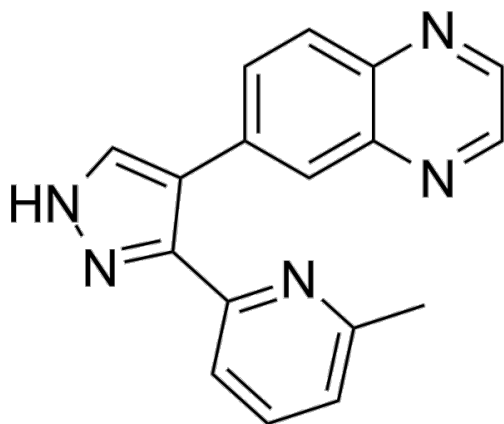
Caution: Product has not been fully validated for medical applications. For research use only.

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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Structure



Background

BIO-013077-01 is a pyrazole TGF- β inhibitor[1].

A wide range of cellular functions such as cell proliferation, differentiation, adhesion, migration, and apoptosis are regulated by TGF- β superfamily members. The TGF- β s include the three major TGF- β isoforms, TGF- β 1, TGF- β 2, and TGF- β 3 which are expressed in mammals. TGF- β transduces signals through a complex of two related but structurally and functionally distinct serine/threonine kinase receptors, termed type 1 and type II. Deregulation of TGF- β signaling has been also implicated in various human diseases including cancer, pancreatic diseases, and hematological malignancies[1].

[1]. Jin CH, et al. Synthesis and biological evaluation of 1-substituted-3(5)-(6-methylpyridin-2-yl)-4-(quinoxalin-6-yl)pyrazoles as transforming growth factor- β type 1 receptor kinase inhibitors. Eur J Med Chem. 2011 Sep;46(9):3917-25.

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