

Product Data Sheet

Product Name: BMT-124110

Cat. No.: GC70748

Chemical Properties

Cas. No. 1679371-59-5

Formula $C_{21}H_{27}N_3O_3$

M.Wt 369.46

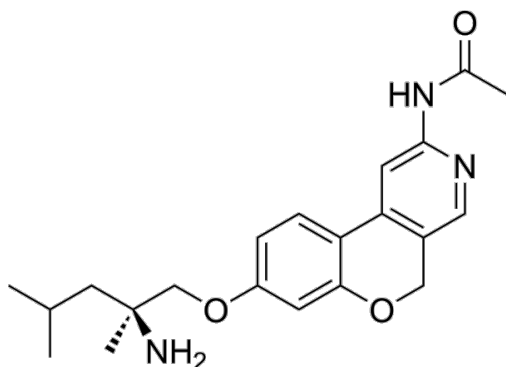
Solubility

Storage

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

BMT-124110 is a potent, selective AAK1 inhibitor with an IC₅₀ of 0.9 nM. BMT-124110 shows antinociceptive activity. BMT-090605 inhibits BMP-2-inducible protein kinase (BIKE) and Cyclin G-associated kinase (GAK) with IC₅₀s of 17 and 99 nM, respectively.

BMT-124110 shows a cellular IC₅₀ of 3.2±1.4 nM for AAK1^[1].

BMT-124110 is added directly onto the spinal cord by microiontophoresis, leading to reduction in windup-induced activity in 10 of 14 animals^[1].

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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References:

[1]. Kostich W, et al. Inhibition of AAK1 Kinase as a Novel Therapeutic Approach to Treat Neuropathic Pain. J Pharmacol Exp Ther. 2016 Sep;358(3):371-86.

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