

Product Data Sheet

Product Name: FLT3/CHK1-IN-1

Cat. No.: GC73554

Chemical Properties

Cas. No. 2991054-23-8

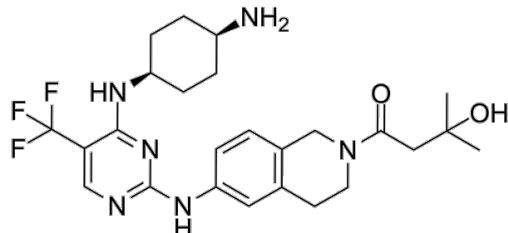
Formula $C_{25}H_{33}F_3N_6O_2$ M.Wt 506.56

Solubility DMSO : 100 mg/mL (197.41 mM; Storage 4°C, protect from light
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.

Structure



Background

FLT3/CHK-IN-1 (Compound 18) is a dual inhibitor of FLT3/CHK1. FLT3/CHK-IN-1 is more than 1700 times more selective to c-KIT and greatly reduces hERG affinity with an IC₅₀ value of 58.4 μM. FLT3/CHK-IN-1 inhibits tumor growth in mouse xenotransplantation models inoculated with MV-4-11 cells.

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]. Li X, et al. Discovery of 2-Aminopyrimidine Derivatives as Potent Dual FLT3/CHK1 Inhibitors with Significantly Reduced hERG Inhibitory Activities. J Med Chem. 2023 Sep 14;66(17):11792-11814.

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