

Product Data Sheet

Product Name: KB-0742 hydrochloride

Cat. No.: GF10453

Chemical Properties

Cas. No. 2416873-83-9

Formula $C_{16}H_{26}ClN_5$ M.Wt 323.86

Solubility Storage -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

KB-0742 hydrochloride is a potent, selective and orally active CDK9 inhibitor with an IC₅₀ of 6 nM for CDK9/cyclin T1. KB-0742 hydrochloride is selective for CDK9/cyclin T1 with >50-fold selectivity over other CDK kinases. KB-0742 hydrochloride has potent anti-tumor activity^[1].

References:

[1]. Freeman DB, et al. Discovery of KB-0742, a Potent, Selective, Orally Bioavailable Small Molecule Inhibitor of CDK9 for MYC-Dependent Cancers. J Med Chem. 2023 Dec 14;66(23):15629-15647.

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