

Product Data Sheet

Product Name: ERK-IN-3

Cat. No.: GC62229

Chemical Properties

Cas. No. 2055597-12-9

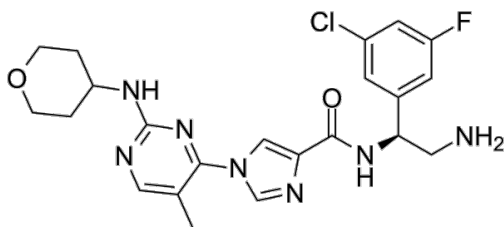
Formula $C_{22}H_{25}ClFN_7O_2$ M.Wt 473.93

Solubility DMSO : 250 mg/mL (527.50 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

ERK-IN-3 is a potent and orally active inhibitor of ERK. ERK-IN-3 inhibits ERK1/2 with low single-digit nM IC₅₀ values. ERK-IN-3 can be used for the research of cancers driven by RAS mutations[1].

ERK-IN-3 inhibits the phosphorylation of ERK1/2 substrates such as RSK1, FRA1, and Elk1 in various cell lines[1]. ERK-IN-3 shows single-digit nanomolar antiproliferative activity that is selective

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

Product Data Sheet

for MAPK-pathway dependent cancer cell lines[1].

ERK-IN-3 (daily p.o.) inhibits tumor growth in multiple BRAF and KRAS mutant xenograft models in mice and was well tolerated at efficacious doses[1].

[1]. Sanjeeva PR, et, al. Abstract B150: ASN007, a novel oral ERK inhibitor, shows robust antitumor activity in RAS mutant cancer models. Molecular Cancer Therapeutics. 2018 Jan; 17(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