

Product Data Sheet

Product Name: HTH-01-091 TFA

Cat. No.: GC72931

Chemical Properties

Cas. No.

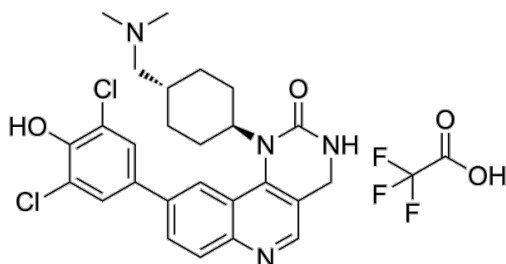
Formula $C_{28}H_{29}Cl_2F_3N_4O_4$ M.Wt 613.46

Solubility DMSO : 100 mg/mL (163.01 mM; Storage -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.

Structure



Background

HTH-01-091 TFA is a potent and selective maternal embryonic leucine zipper kinase (MELK) inhibitor, with an IC₅₀ of 10.5 nM. HTH-01-091 TFA also inhibits PIM1/2/3, RIPK2, DYRK3, smMLCK

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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and CLK2. HTH-01-091 TFA can be used for breast cancer research.

HTH-01-091 (1 μ M) TFA selectively inhibits 4% of the kinases over 90%[1]. HTH-01-091 (0-10 μ M, 1 h) TFA is cell permeable and causes MELK degradation[1]. HTH-01-091 (0-10 μ M, 3 day) TFA exhibits minor antiproliferative effects in breast cancer cells[1].

References:

[1]. Huang HT, et al. MELK is not necessary for the proliferation of basal-like breast cancer cells. Elife. 2017 Sep 19;6:e26693.

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