

Product Data Sheet

Product Name: SHP394
Cat. No.: GC65533

Chemical Properties

Cas. No. 2055757-40-7

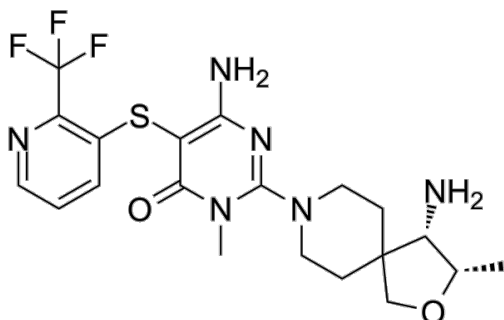
Formula C₂₀H₂₅F₃N₆O₂S M.Wt 470.51

Solubility DMSO : 24 mg/mL (51.01 mM; Need ultrasonic) Storage 4°C, stored under nitrogen

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

SHP394 is an orally active, selective and allosteric inhibitor of SHP2, with an IC₅₀ of 23 nM[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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SHP394 inhibits Caco-2 cells proliferation with the IC₅₀ of 297 nM[1]. SHP394 exhibits antiproliferation activity against the Detroit-562 pharyngeal carcinoma cell line in vitro (IC₅₀= 1.38 μM) [1]. SHP394 decreases p-ERK with an IC₅₀ of 18 nM KYSE520 cells[1].

SHP394 (20-80 mg/kg; oral gavage; twice daily) dose-dependent reduces tumor volume[1]. SHP394 (80 mg/kg; oral gavage; twice daily) causes tumor 34% regression and reduces mouse host bodyweight after dosing for 14 days[1].

[1]. Sarver P, et al. 6-Amino-3-methylpyrimidinones as Potent, Selective, and Orally Efficacious SHP2 Inhibitors. J Med Chem. 2019 Feb 28;62(4):1793-1802.

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