

Product Data Sheet

Product Name: PF-07284892

Cat. No.: GC73482

Chemical Properties

Cas. No. 2498597-94-5

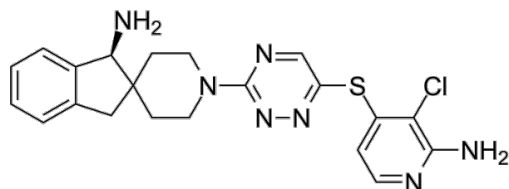
Formula $C_{21}H_{22}ClN_7S$ M.Wt 439.96

Solubility DMSO : 100 mg/mL (227.29 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

PF-07284892 (ARRY-558) is a potent and orally active SHP2 inhibitor with an IC50 value of 21 nM. PF-07284892 decreases the expression of pERK.

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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PF-07284892 (100 nM; 4, 18 h) combines with lorlatinib (0-450 nM), binimetinib (0-160 nM) decreases the expression of pERK in H3122 lorR-06, VACO-432 cells[2].

PF-07284892 (10 mg/kg; p.o.) shows good oral bioavailability with F% of 85%, 94%, 102%, 64% for mouse, rat, dog, monkey, respectively[2].

References:

[1]. Abdayem P, et al. Ongoing progress in BRAF-mutated non-small cell lung cancer. Clin Adv Hematol Oncol. 2022 Nov;20(11):662-672.

[2]. Drilon A, et al. SHP2 Inhibition Sensitizes Diverse Oncogene-Addicted Solid Tumors to Re-treatment with Targeted Therapy. Cancer Discov. 2023 Jun 3:OF1-OF13.

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