

Product Data Sheet

Product Name: STX-478

Cat. No.: GC73682

Chemical Properties

Cas. No. 2883540-92-7

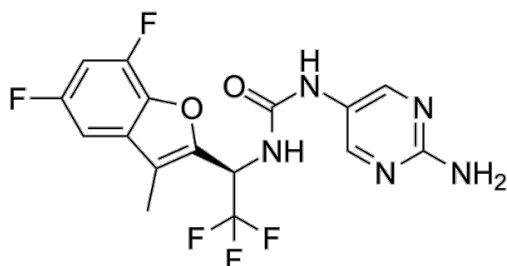
Formula $C_{16}H_{12}F_5N_5O_2$ M.Wt 401.29

Solubility DMSO : 200 mg/mL (498.39 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

STX-478 (compound 80) is an oral CNS-penetrant allosteric mutant-selective PI3K α inhibitor. STX-478 shows robust and durable tumor regression and can be used in cancer research.

STX-478 (0-10,000 nM; 1 h) demonstrates selectivity for MCF10A cells harboring the H1047R

Caution: Product has not been fully validated for medical applications. For research use only.

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kinase-domain mutation[1].

STX-478 (30, 100 mg/kg; p.o.; single daily for 28 days) dose-dependently reduces tumor volume in a CAL-33 xenograft mice model[1].

References:

[1]. JR David St Jean, et al. Urea derivatives which can be used to treat cancer. Patent WO2022265993A1.

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