

Product Data Sheet

Product Name: SPH5030

Cat. No.: GC73097

Chemical Properties

Cas. No. 2364326-23-6

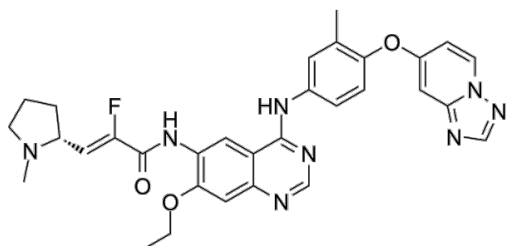
Formula $C_{31}H_{31}FN_8O_3$ M.Wt 582.63

Solubility DMSO : ≥ 100 mg/mL (171.64 mM) Storage 4°C, protect from light, 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

SPH5030 is a selective and irreversible HER2 inhibitor. SPH5030 inhibits HER2WT and EGFRWT with IC₅₀s of 3.51 and 8.13 nM, respectively. SPH5030 shows excellent activities against HER2 mutants. SPH5030 can be used for the research of cancer.

SPH5030 (0-10 μ M; 72 h) shows anti-proliferation activities against tumor cell lines[1].

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

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SPH5030 (5-40 mg/kg; p.o. once per day for 13 or 21 days) shows in vivo antitumor efficacy in mice with xenograft tumor models[1]. 1.19 Pharmacokinetic Properties of SPH5030 in Mice and Rats[1].

References:

[1]. Li D, et al. Discovery of SPH5030, a Selective, Potent, and Irreversible Tyrosine Kinase Inhibitor for HER2-Amplified and HER2-Mutant Cancer Treatment. J Med Chem. 2022 Apr 14;65(7):5334-5354.

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