

Product Data Sheet

Product Name: SHR2415

Cat. No.: GC73340

Chemical Properties

Cas. No. 2494010-42-1

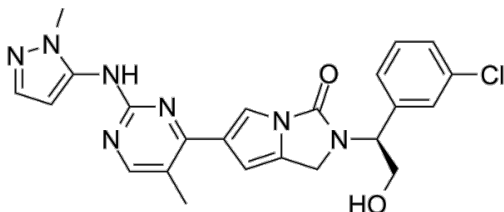
Formula $C_{23}H_{22}ClN_7O_2$ M.Wt 463.92

Solubility DMSO : 100 mg/mL (215.55 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

SHR2415 is a highly potent, selective and orally active ERK1/2 inhibitor. SHR2415 has inhibition activity for ERK1 and ERK2 with IC₅₀ values of 2.8 nM and 5.9 nM, respectively. SHR2415 exhibits high potency with an IC₅₀ value of 44.6 nM in Colo205 cells. SHR2415 can be used for the research

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

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of cancer.

SHR2415 has inhibition activity for ERK1 and ERK2 with IC₅₀ values of 2.8 nM and 5.9 nM, respectively[1]. SHR2415 shows the cellular potency with an IC₅₀ value of 44.6 nM in Colo205 cells[1].

SHR2415 (i.v. (1 mg/kg for mouse and rat) and p.o. (2 mg/kg for mouse, rat, and dog)) displays a favorable PK profile across species with low clearance and good in vivo exposure[1]. SHR2415 (25, 50 mg/kg; p.o.; once daily, for 14 days) displays favorable PK profiles across species as well as robust in vivo efficacy in a mouse Colo205 xenograft model[1].

References:

[1]. Xin Li, et al. Discovery of SHR2415, a Novel Pyrrole-Fused Urea Scaffold ERK1/2 Inhibitor. ACS Med Chem Lett. 2022 Apr 1;13(4):701-706.

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