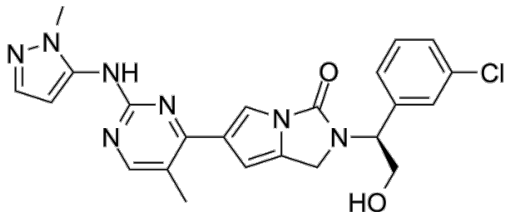
Product Data Sheet

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; Need ultrasonic)	Storage	-20°C
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

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.