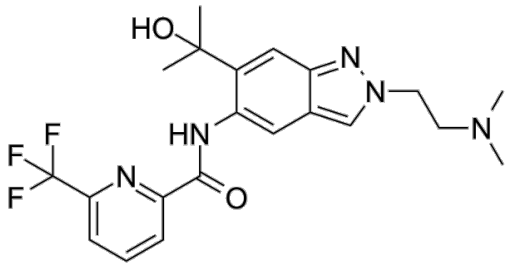
Product Data Sheet

Product Name: HS271
Cat. No.: GC62429

Chemical Properties

Cas. No.	2410393-15-4		
Formula	$C_{21}H_{24}F_3N_5O_2$	M.Wt	435.44
Solubility	DMSO : 100 mg/mL (229.65 mM; Need ultrasonic)	Storage	Store at -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

HS271 is a highly potent, orally active and selective IRAK4 inhibitor, with an IC50 of 7.2 μM. HS271 exhibits superior enzymatic and cellular activities, as well as excellent pharmacokinetic properties[1].

HS271 (15-150 mg/kg) displays robust in vivo antiinflammatory efficacy as evaluated in rat models of

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LPS induced TNFα production collageninduced arthritis[1].HS271 exhibits a t1/2 of 3.3 h and Cmax of 2107 ng/mL[1].HS271 is stable in liver microsome assays across other species, including rat, mouse, monkey, and human[1].HS271 exhibits oral bioavailability of 67.3%, 58.2%, 14.4&% and 49% in mouse, rat, dog and monkey, respectively[1].

[1]. Wenqiang Zhai, et al. Discovery and optimization of a potent and selective indazolamine series of IRAK4 inhibitors. Bioorg Med Chem Lett. 2020 Nov 24;31:127686.

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