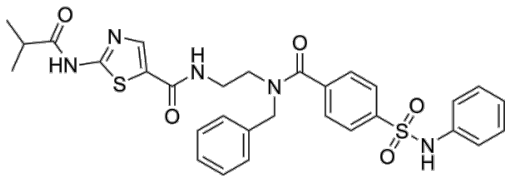
Product Data Sheet

Product Name: TH470
Cat. No.: GC73353

Chemical Properties

Cas. No.	2834739-51-2		
Formula	$C_{30}H_{31}N_5O_5S_2$	M.Wt	605.73
Solubility	DMSO : 100 mg/mL (165.09 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

TH470 is a highly selective LIMK1/2 (LIM kinase1/2) inhibitor (LIMK1 IC50=9.8 nM; LIMK2 IC50=13 nM), and can be used in orphan disease research.

TH470 (0.05-5 μM; 12 h) inhibits the growth of neurite[1].

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

[1]. Hanke T, et al. Development and Characterization of Type I, Type II, and Type III LIM-Kinase Chemical Probes. J Med Chem. 2022 Oct 13;65(19):13264-13287.

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