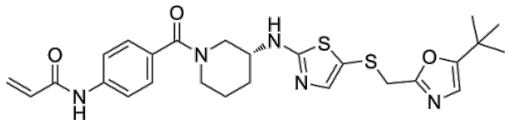
Product Data Sheet

Product Name: MFH290
Cat. No.: GC73426

Chemical Properties

Cas. No.	2088715-91-5		
Formula	$C_{26}H_{31}N_5O_3S_2$	M.Wt	525.69
Solubility	DMSO : 125 mg/mL (237.78 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

MFH290 is a potent and highly selective cyclin-dependent kinase 12/13 (CDK12/13) covalent inhibitor. MFH290 forms a covalent bond with Cys-1039 of CDK12 and exhibits excellent kinome selectivity and inhibits the phosphorylation of serine-2 in the C-terminal domain (CTD) of RNA-polymerase II (Pol II). MFH290 is used for cancer research.

Caution: Product has not been fully validated for medical applications. For research use only.
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Address: 10292 Central Ave. #205, Montclair, CA, USA

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References:

[1]. Yao Liu, et al. Discovery of MFH290: A Potent and Highly Selective Covalent Inhibitor for Cyclin-Dependent Kinase 12/13. J Med Chem. 2020 Jul 9;63(13):6708-6726.
[2]. Yao Liu, et al. Discovery of MFH290: A Potent and Highly Selective Covalent Inhibitor for Cyclin-Dependent Kinase 12/13. J Med Chem. 2020 Jul 9;63(13):6708-6726.

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