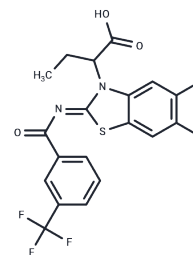


YH16899

## Chemical Properties

CAS No. : 1428623-14-6  
 Formula: C<sub>19</sub>H<sub>13</sub>F<sub>5</sub>N<sub>2</sub>O<sub>3</sub>S  
 Molecular Weight: 444.38  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	YH16899 is a KRS-67LR interaction inhibitor by directly blocking the association between KRS and 67LR, suppressing the dynamic movement of the N-terminal extension of KRS and reducing membrane localization of KRS.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2503 mL	11.2516 mL	22.5033 mL
5 mM	0.4501 mL	2.2503 mL	4.5007 mL
10 mM	0.225 mL	1.1252 mL	2.2503 mL
50 mM	0.045 mL	0.225 mL	0.4501 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Cho HY, Ul Mushtaq A, Lee JY, Kim DG, Seok MS, Jang M, Han BW, Kim S, Jeon YH. Characterization of the interaction between lysyl-tRNA synthetase and laminin receptor by NMR. FEBS Lett. 2014 Aug 25;588(17):2851-8. doi: 10.1016/j.febslet.2014.06.048. Epub 2014 Jun 28. PubMed PMID: 24983501.

Kim DG, Lee JY, Kwon NH, Fang P, Zhang Q, Wang J, Young NL, Guo M, Cho HY, Mushtaq AU, Jeon YH, Choi JW, Han JM, Kang HW, Joo JE, Hur Y, Kang W, Yang H, Nam DH, Lee MS, Lee JW, Kim ES, Moon A, Kim K, Kim D, Kang EJ, Moon Y, Rhee KH, Han BW, Yang JS, Han G, Yang WS, Lee C, Wang MW, Kim S. Chemical inhibition of prometastatic lysyl-tRNA synthetase-laminin receptor interaction. Nat Chem Biol. 2014 Jan;10(1):29-34. doi: 10.1038/nchembio.1381. Epub 2013 Nov 10. PubMed PMID: 24212136; PubMed Central PMCID: PMC4021855.

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