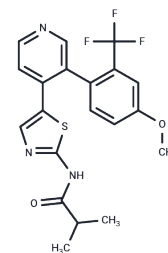


CRT-0105446

## Chemical Properties

CAS No. : 1661846-05-4  
 Formula: C<sub>20</sub>H<sub>18</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>S  
 Molecular Weight: 421.44  
 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   | CRT-0105446 is an effective LIMK inhibitor that acts by suppressing cofilin phosphorylation and increasing $\alpha$ Tubulin acetylation in cells. |
| Targets(IC50) | Others,LIM Kinase   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3728 mL | 11.8641 mL | 23.7282 mL |
| 5 mM  | 0.4746 mL | 2.3728 mL  | 4.7456 mL  |
| 10 mM | 0.2373 mL | 1.1864 mL  | 2.3728 mL  |
| 50 mM | 0.0475 mL | 0.2373 mL  | 0.4746 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

Mardilovich K, Baugh M, Crighton D, Kowalczyk D, Gabrielsen M, Munro J, Croft DR, Lourenco F, James D, Kalna G, McGarry L, Rath O, Shanks E, Garnett MJ, McDermott U, Brookfield J, Charles M, Hammonds T, Olson MF. LIM kinase inhibitors disrupt mitotic microtubule organization and impair tumor cell proliferation. *Oncotarget*. 2015 Nov 17;6(36):38469-86. doi: 10.18632/oncotarget.6288. PubMed PMID: 26540348; PubMed Central PMCID: PMC4770715.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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