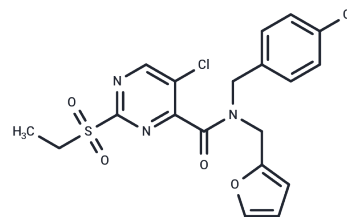


ZAP-180013

## Chemical Properties

CAS No. : 873080-25-2  
Formula: C<sub>19</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>4</sub>S  
Molecular Weight: 454.33  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|                            |                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------|
| Description                | ZAP-180013 is an inhibitor of zeta-chain-associated protein kinase 70 (ZAP70, IC <sub>50</sub> : 1.8 μM). |
| Targets(IC <sub>50</sub> ) | Tyrosine Kinases, Tyrosinase                                                                              |

## Solubility Information

|            |                                                                                                                            |
|------------|----------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 250 mg/mL (550.26 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|----------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.201 mL  | 11.0052 mL | 22.0104 mL |
| 5 mM  | 0.4402 mL | 2.201 mL   | 4.4021 mL  |
| 10 mM | 0.2201 mL | 1.1005 mL  | 2.201 mL   |
| 50 mM | 0.044 mL  | 0.2201 mL  | 0.4402 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.

## Reference

Patrick R Visperas, et al. Identification of Inhibitors of the Association of ZAP-70 With the T Cell Receptor by High-Throughput Screen. SLAS Discov. 2017 Mar;22(3):324-331.

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