

AKE-72

## Chemical Properties

CAS No. : 2566525-18-4

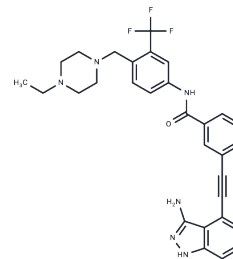
Formula: C<sub>30</sub>H<sub>29</sub>F<sub>3</sub>N<sub>6</sub>O

Molecular Weight: 546.59

Store at low temperature

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   | AKE-72 is a Pan-BCR-ABL inhibitor with anti-leukemic activity. AKE-72 inhibits the proliferation of Ba/F3 cells expressing natural BCR-ABL or its T315I mutant. |
| Targets(IC50) | Bcr-Abl                                                                                                                                                         |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.8295 mL | 9.1476 mL | 18.2952 mL |
| 5 mM  | 0.3659 mL | 1.8295 mL | 3.659 mL   |
| 10 mM | 0.183 mL  | 0.9148 mL | 1.8295 mL  |
| 50 mM | 0.0366 mL | 0.183 mL  | 0.3659 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

El-Damasy AK, et al. Discovery of 3-((3-amino-1H-indazol-4-yl)ethynyl)-N-(4-((4-ethylpiperazin-1-yl)methyl)-3-(trifluoromethyl)phenyl)benzamide (AKE-72), a potent Pan-BCR-ABL inhibitor including the T315I gatekeeper resistant mutant. *J Enzyme Inhib Med Chem.* 2023 Dec;38(1):2228515.

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

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