

## PTD2 TFA

## Chemical Properties

CAS No. :

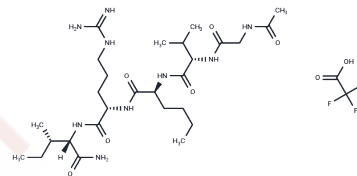
Formula: C27H51N9O6.XCF3COOH

Molecular Weight: 597.80

Keep away from moisture

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

PTD2, derived from the histone 4 sequence, acts as a peptide inhibitor against Wolf-Hirschhorn syndrome candidate 1 (WHSC1; IC50 = 22  $\mu$ M), a histone methyltransferase.

## Solubility Information

Solubility

PBS pH 7.2: 1 mg/mL (1.67 mM), Sonication is recommended.  
 DMSO: 10 mg/mL (16.73 mM), Sonication is recommended.  
 DMF: 2 mg/mL, Sonication is recommended.  
 (< 1 mg/mL refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 1.6728 mL | 8.364 mL  | 16.728 mL |
| 5 mM  | 0.3346 mL | 1.6728 mL | 3.3456 mL |
| 10 mM | 0.1673 mL | 0.8364 mL | 1.6728 mL |
| 50 mM | 0.0335 mL | 0.1673 mL | 0.3346 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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