

WM-3835

## Chemical Properties

CAS No. : 2229025-70-9

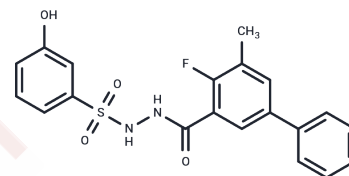
Formula: C<sub>20</sub>H<sub>17</sub>FN<sub>2</sub>O<sub>4</sub>S

Molecular Weight: 400.42

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	WM-3835 is a novel and high-specific small molecule inhibitor of Lysine Acetyltransferase 7 (KAT7, MYST2, HBO1), able to potently suppressed OS cell proliferation and migration, and leads to apoptosis activation.
Targets(IC50)	Apoptosis, Histone Methyltransferase, Histone Acetyltransferase
In vitro	WM-3835, a novel and high-specific small molecule HBO1 inhibitor, was able to potently suppressed OS cell proliferation and migration, and led to apoptosis activation.

## Solubility Information

Solubility	DMSO: 255 mg/mL (636.83 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (12.49 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.4974 mL	12.4869 mL	24.9738 mL
5 mM	0.4995 mL	2.4974 mL	4.9948 mL
10 mM	0.2497 mL	1.2487 mL	2.4974 mL
50 mM	0.0499 mL	0.2497 mL	0.4995 mL

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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

Yan-Yang Gao, et al. The histone acetyltransferase HBO1 functions as a novel oncogenic gene in osteosarcoma. *Theranostics*. 2021 Mar 4;11(10):4599-4615.

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