

WM-8014

## Chemical Properties

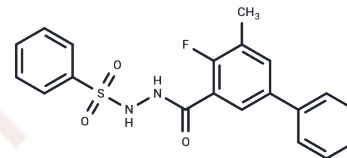
CAS No. : 2055397-18-5

Formula: C<sub>20</sub>H<sub>17</sub>FN<sub>2</sub>O<sub>3</sub>S

Molecular Weight: 384.42

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-8014 (MOZ-IN-3) is an inhibitor of MOZ(IC <sub>50</sub> =55 nM), a member of histone acetyltransferases.
Targets(IC <sub>50</sub> )	Histone Acetyltransferase
In vitro	MOZ-IN-3 is an inhibitor of MOZ (IC <sub>50</sub> =55 nM) . MOZ-IN-3 causes cell senescence (IC <sub>50</sub> =1.6 μM) and suppresses the proliferation (IC <sub>50</sub> =551 nM) .
Kinase Assay	Reactions are set up with Acetyl coenzyme A (AcCoA)(0.4 μM), N-terminal histone H4 peptide (sequence SGRGKGGKGLGKGGAKRHRKV-GGK-biotin)(50 nM), MOZ enzyme(10 nM), and an acetyl-lysine specific antibody (final dilution 1: 10000).

## Solubility Information

Solubility	DMSO: 45 mg/mL (117.06 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (5.2 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	2.6013 mL	13.0066 mL	26.0132 mL
5 mM	0.5203 mL	2.6013 mL	5.2026 mL
10 mM	0.2601 mL	1.3007 mL	2.6013 mL
50 mM	0.052 mL	0.2601 mL	0.5203 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

ARYL SULFONOHYDRAZIDES. WO2016198507

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