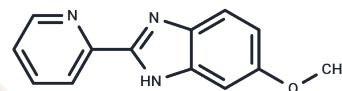


## AI-4-57 Hydrochloride

## Chemical Properties

CAS No. : 63053-14-5  
 Formula: C<sub>13</sub>H<sub>11</sub>N<sub>3</sub>O  
 Molecular Weight: 225.25  
 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	AI-4-57 Hydrochloride is a ligand to the CBF $\beta$ . AI-4-57 Hydrochloride is a modest potency inhibitor of the binding of wildtype CBF $\beta$ to the RUNX1 Runt domain.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4395 mL	22.1976 mL	44.3951 mL
5 mM	0.8879 mL	4.4395 mL	8.879 mL
10 mM	0.444 mL	2.2198 mL	4.4395 mL
50 mM	0.0888 mL	0.444 mL	0.8879 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

Illendula A, Pulikkan JA, Zong H, et al. A small-molecule inhibitor of the aberrant transcription factor CBF $\beta$ -SMMHC delays leukemia in mice. *Science* (New York, NY). 2015;347(6223):779-784. doi:10.1126/science.aaa0314.

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