

KK181N1

## Chemical Properties

CAS No. :

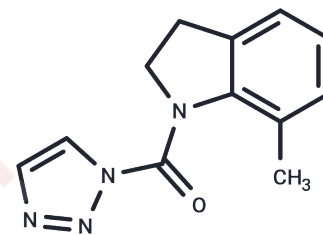
Formula: C<sub>12</sub>H<sub>12</sub>N<sub>4</sub>O

Molecular Weight: 228.25

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	KK181N1 is a triazolidine selective inhibitor of the karrikin (KAR) receptor KAI2 that binds non-covalently to the catalytic pocket of KAI2 and has no significant effect on the related receptor AtD14. KK181N1 selectively inhibits KAR-induced phenotypes in Arabidopsis.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 40 mg/mL (175.25 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3812 mL	21.9058 mL	43.8116 mL
5 mM	0.8762 mL	4.3812 mL	8.7623 mL
10 mM	0.4381 mL	2.1906 mL	4.3812 mL
50 mM	0.0876 mL	0.4381 mL	0.8762 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

Wang J, et al. Identification and structure-guided development of triazole urea-based selective antagonists of Arabidopsis karrikin signaling. Nat Commun. 2025;16(1):104. Published 2025 Jan 2.

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