

Product Datasheet

Jarin-1 (orb1707164)

Catalog Number	orb1707164
Category	Small Molecules
Description	Jarin-1 is a potent and specific inhibitor of jasmonic acid-amido synthetase (JAR1) with an IC50 of 3.8 µM. It effectively suppresses bioactive jasmonate biosynthesis and is a valuable chemical tool for studying JA signaling in plant defense, development, and stress responses using both in vitro enzymatic assays and in vivo plant models like Arabidopsis.
Target	Others
Purity	99.80% (May vary between batches)
MW	471.55
Target Areas	Others
Solubility (25°C)	DMSO:150 mg/mL (318.1 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (4.24 mM)
CAS Number	1212704-51-2
Formula	C ₂₈ H ₂₉ N ₃ O ₄
SMILES	[H][C@@]12CN(C[C@@]([H])(C1)c1ccc(NC(=O)c3ccc(cc3)-c3ccccc3)c(=O)n1C2)C(=O)CCOC
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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