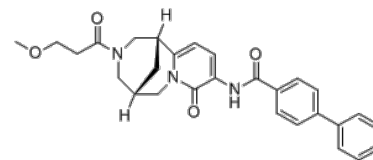


**Product Name** : Jarin-1  
**Cat. No.** : PC-62257  
**CAS No.** : 1212704-51-2  
**Molecular Formula** : C<sub>28</sub>H<sub>29</sub>N<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 471.557  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Jarin-1 is the first small-molecule inhibitor of **JAR1** (IC<sub>50</sub>=3.8 μM) that inhibits jasmonate responses in *Arabidopsis thaliana*. Jarin-1 impairs the activity of JA-Ile synthetase, thereby preventing the synthesis of the active hormone, JA-Ile, whereas closely related enzymes are not affected.

Jarin-1 is a useful chemical tool in search for missing regulatory components and further dissection of the complex jasmonate signaling networks.

## References

Meesters C, et al. *Nat Chem Biol.* 2014 Oct;10(10):830-6.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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