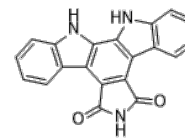


**Product Name** : Arcyriaflavin A  
**Cat. No.** : PC-23981  
**CAS No.** : 118458-54-1  
**Molecular Formula** : C<sub>20</sub>H<sub>11</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 325.33  
**Target** : Cyclin-dependent Kinase (CDK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Arcyriaflavin A is a potent inhibitor of the cyclin D1/CDK4 complex with IC<sub>50</sub> of 140 nM, also inhibits CaMKII with IC<sub>50</sub> of 25 nM, suppresses tumor growth, migration, and invasion of metastatic melanoma cells.

## References

P A Horton, et al. *Experientia*. 1994 Sep 15;50(9):843-5.

Sanchez-Martinez C, et al. *Bioorg Med Chem Lett*. 2003 Nov 3;13(21):3835-9.

Kim D, et al. *Cancer Cell Int*. 2025 Feb 13;25(1):42.

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

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