

Product Datasheet

Bisindolylmaleimide IV

Catalog No. **BP-02412** · CAS **119139-23-0** · Form **free base** · Physical state **solid** · Color **Orange to red** · Version **1.0** · Revision **2026-09-10**

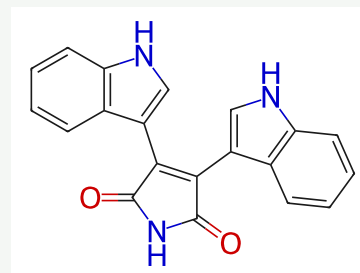
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Target PKC; CMV	Research area Infection
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Molecular formula **C₂₀H₁₃N₃O₂**

Molecular weight **327.3361**

STRUCTURE



DESCRIPTION

Bisindolylmaleimide IV (Arcyriarubin A) is a potent protein kinase C (PKC) inhibitor, with IC₅₀s ranging from 0.1 to 0.55 μM. Bisindolylmaleimide IV also inhibits PKA (IC₅₀=3.1-11.8μM) . Bisindolylmaleimide IV is a potent, selective inhibitor of human cytomegalovirus (HCMV) replication in cell culture with an IC₅₀ of 0.2 μM .

BIOLOGICAL ACTIVITY

In Vitro

Bisindolylmaleimide IV (Arcyriarubin A) inhibits PKC with an IC₅₀ of 0.1 μM in 1 % DMSO, while the IC₅₀ of 0.55 μM in 10 % DMSO.

SOLUBILITY

Soluble in DMSO : 125 mg/mL

REFERENCES

- [1].Davis PD, et al. Inhibitors of protein kinase C. 1. 2,3-Bisarylmaleimides. J Med Chem. 1992 Jan;35(1):177-84.
- [2].Slater MJ, et al. Indolocarbazoles: potent, selective inhibitors of human cytomegalovirus replication. Bioorg Med Chem. 1999 Jun;7(6):1067-74.