

Product Datasheet

CARM1-IN-1

Catalog No. **BP-01827** · CAS **1020399-49-8** · Form **free base** · Physical state **solid** · Color **Yellow to Orange** · Version **1.0** · Revision **2026-09-08**

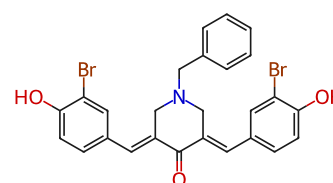
FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.

Target Histone Methyltransferase	Research area Cancer
--	--------------------------------

Molecular formula **C₂₆H₂₁Br₂NO₃**

Molecular weight **555.2580**

STRUCTURE



DESCRIPTION

CARM1-IN-1 is a potent and specific CARM1 (Coactivator-associated arginine methyltransferase 1) inhibitor with IC₅₀ of 8.6 μM; shows very low activity against PRMT1 and SET7 (IC₅₀ > 600 μM).

BIOLOGICAL ACTIVITY

In Vitro

CARM1-IN-1 (compound 7g) (100 μM; 90 min) inhibits CARM1-mediated methylation of different substrates (PABP1, CA150, SmB, and H3), such as Flag-PABP1 methylation, without inhibitory activity against HKMTs.

CARM1-IN-1 (compound 7g) (8 μM; 42-44 h) inhibits PSA promoter activity in luciferase assay in LNCaP cells, without affecting cell viability.

SOLUBILITY

Soluble in DMSO

REFERENCES

[1]. Cheng D, et al. Novel 3,5-bis(bromohydroxybenzylidene)piperidin-4-ones as coactivator-associated arginine methyltransferase 1 inhibitors: enzyme selectivity and cellular activity. J Med Chem. 2011 Jul 14;54(13):4928-32.

Tel: +86 20 31130026 · Fax: +86 20 36822386 · tech@biochemprobe.com · www.biochemprobe.com

BiochemProbe is the catalog brand of Guangzhou Yuyuan Biotech Co., Ltd. · For research use only.

Lot CoA and SDS are separate documents.