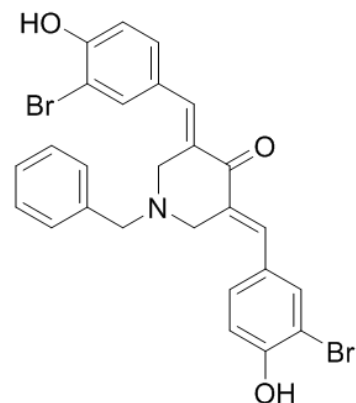


Product Name : CARM1-IN-7g
Cat. No. : PC-43184
CAS No. : 1020399-49-8
Molecular Formula : C₂₆H₂₁Br₂NO₃
Molecular Weight : 555.2578
Target : Histone Methyltransferase (HMTase)
Solubility : DMSO: ≥ 35 mg/mL



Biological Activity

CARM1-IN-7g is a potent, selective coactivator-associated arginine methyltransferase 1 (**CARM1**) with IC₅₀ of 8.6 μM, exhibits lower or no activity against a panel of different PRMTs or HKMTs (>80-fold over PRMT1 and SET7). CARM1-IN-7g inhibits CARM1-mediated methylation of different substrates (PABP1, CA150, SmB, and H3) up to single-digit micromolar level, significantly and dose-dependently reduces the prostate-specific antigen (PSA) promoter activity in human prostate cancer LNCaP cells, does not affect cell viability.

References

Cheng D, et al. *J Med Chem*. 2011 Jul 14;54(13):4928-32.

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

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