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## Product Data Sheet

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Product Name: CARM1-IN-1

Cat. No.: GC34108

### Chemical Properties

Cas. No. 1020399-49-8

SMILES O=C1/C(CN(CC2=CC=CC=C2)C/C1=C\C3=CC=C(O)C(Br)=C3)=C/C4=CC=C(O)C(Br)=C4Formula  $C_{26}H_{21}Br_2NO_3$ 

M.Wt

555.26

Solubility DMSO :  $\geq 35$  mg/mL (63.03 mM)

Storage

Store at  $-20^{\circ}C$ 

General For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure 

### Background

PRMT4/CARM1 Inhibitor selectively blocks the activity of PRMT4/CARM1 with an  $IC_{50}$  value of  $7.1 \mu M$ .<sup>1</sup> It displays very low affinity towards PRMT1 and SET7 with  $IC_{50}$  values of 63 and  $943 \mu M$ , respectively.<sup>1</sup> In human prostate cancer LNCaP cells, this compound reduced the prostate-specific antigen promoter activity at  $8-10 \mu M$ .<sup>1</sup>

1.Cheng, D., Valente, S., Castellano, S., et al. Novel 3,5-Bis(bromohydroxybenzylidene)piperidin-4-ones as coactivator-associated arginine methyltransferase 1 inhibitors: Enzyme selectivity and cellular activity]. Med. Chem.54(13)4982-4932(2011)

**Caution: Product has not been fully validated for medical applications. For research use only.**

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