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## Product Data Sheet

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Product Name: DW14800

Cat. No.: GC35914

### Chemical Properties

Cas. No. 2243709-60-4

SMILES CN(C)C1=CC=C(C(N2CCC(C=C(C(NCC(O)CN3CC(C=CC=C4)=C4CC3)=O)C=C5)=C5C2)=O)C=C1Formula C<sub>31</sub>H<sub>36</sub>N<sub>4</sub>O<sub>3</sub>

M.Wt

512.64

Solubility Soluble in DMSO

Storage

Store at -20°C

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

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

Structure 

### Background

DW14800 is a protein arginine methyltransferase 5 (PRMT5) inhibitor, with an IC<sub>50</sub> of 17 nM. DW14800 reduces H4R3me2s levels and enhances the transcription of HNF4α, but does not alter PRMT5 expression. Anti-cancer activity[1]. PRMT5[1]

[1]. Zheng BN, et al. Targeting PRMT5 Activity Inhibits the Malignancy of Hepatocellular Carcinoma by Promoting the Transcription of HNF4α. Theranostics. 2019 Apr 13;9(9):2606-2617.

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

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