
Product Data Sheet

Product Name: SW155246

Cat. No.: GC18642

Chemical Properties

Cas. No. 420092-79-1

Chemical Name 4-chloro-N-(4-hydroxy-1-naphthalenyl)-3-nitro-benzenesulfonamide

SMILES C1=CC=C(S(=O)(=O)C=C1[N+](=O)[O-])C2=CC=C(O)C3=CC=CC=C3Formula C₁₆H₁₁ClN₂O₅S M.Wt 378.8Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS (pH 7.2)
(1:6): 0.16 mg/ml Storage Store at -20°C

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

Structure **Background**

SW155246 is an inhibitor of DNA methyltransferase 1 (DNMT1; IC₅₀ = 1.2 μM). It is selective for human DNMT1 over murine DNMT3 (IC₅₀ = 38 μM). SW155246 inhibits HeLa and A549 tumor cell growth in a redox-independent manner (IC₅₀s = 8-20 μM). It also inhibits genomic methylation in HeLa cells when used at concentrations ranging from 10 to 18.6 μM.

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

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