

Product Data Sheet

Product Name: Compound C108

Cat. No.: GC43306

Chemical Properties

Cas. No. 15533-09-2

SMILES OC1=C(/C(C)=N/NC(C2=C(O)C=CC=C2)=O)C=CC=C1

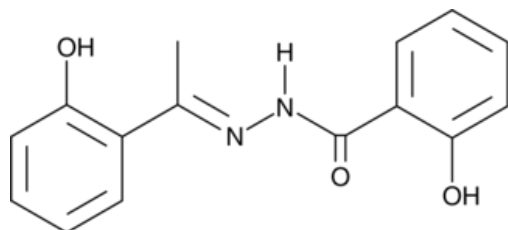
Formula C₁₅H₁₄N₂O₃ M.Wt 270.3

Solubility DMF: 1 mg/ml, DMF:PBS(pH 7.2) (1:6): 0.14 mg/ml, DMSO: 1 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

Compound C108 is an inhibitor of the GTPase-activating protein (SH3 domain)-binding protein 2 (G3BP2), which is involved in breast tumor initiation. In a mouse xenograft model of breast cancer, compound C108 (1 μM for 24 hours) reduces the proportion of tumor-initiating cells approximately 10-fold compared with untreated cells. In MDA-MB-453 cells, and in the patient-derived xenograft cell line MAXF 401, it diminishes mammosphere formation.

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

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