

Product Data Sheet

Product Name: EM-12
 Cat. No.: GC49522

Chemical Properties

Cas. No. 26581-81-7

SMILES O=C1NC(C(CC1)N2C(C3=CC=CC=C3C2)=O)=O

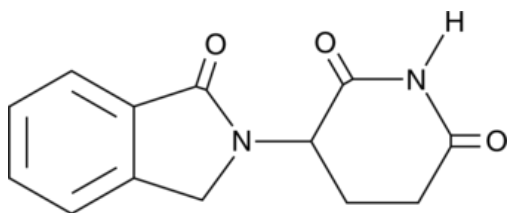
Formula C₁₃H₁₂N₂O₃ M.Wt 244.2

Solubility DMF: 5 mg/ml, DMF:PBS (pH 7.2) Storage -20°C
 (1:4): 0.2 mg/ml, DMSO: 1 mg/ml

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips 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 Condition blue ice upon request.

Structure



Background

EM-12 is a derivative of thalidomide with teratogenic activity.¹ Intravenous administration of EM-12 (150 mg/kg) to pregnant females induces fetal resorption and skeletal malformation in surviving offspring in rats, rabbits, and rhesus monkeys. Dietary administration of EM-12 (12% w/w) enhances 1,2-dimethylhydrazine-induced colonic adenocarcinoma formation in rats.²

1. Schumacher, H.J., Terapane, J., Jordan, R.L., et al. The teratogenic activity of a thalidomide analogue, EM12 in rabbits, rats, and monkeys *Teratology* 5(2)233-240(1972)
 2. Gershbein, L.L. The thalidomide analog, EM 12, enhances 1,2-dimethylhydrazine-induction of rat colon adenocarcinomas *Cancer Lett.* 60(2)129-133(1991)

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

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