

Product Data Sheet

Product Name: Sorbinil
Cat. No.: GC37666

Chemical Properties

Cas. No. 68367-52-2

SMILES O=C([C@@]12C3=CC(F)=CC=C3OCC1)NC(N2)=O

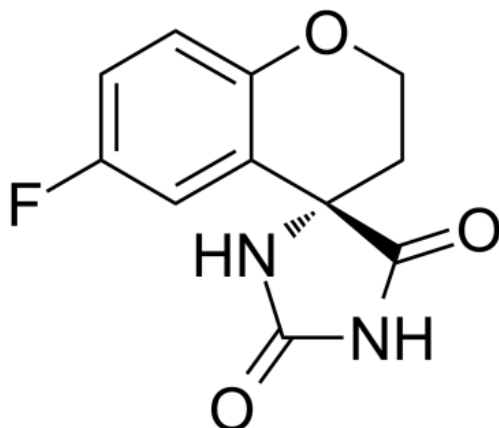
Formula $C_{11}H_9FN_2O_3$ M.Wt 236.2

Solubility DMSO: $\geq 20\mu\text{mg/mL}$ Storage Store at 2-8°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

Sorbinil, is an Aldose reductase inhibitor (ARI). Sorbinil plays therapeutic role in treating diabetes and diabetic complications, decreases AR activity and inhibits polyol pathway, it to be found comparatively safer than other ARIs for human use[1].

Reference:

[1]. Huang Q, et al. Sorbinil, an Aldose Reductase Inhibitor, in Fighting Against Diabetic Complications. Med Chem. 2019;15(1):3-7.

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

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