

Product Data Sheet

Product Name: BIX
Cat. No.: GC50153

Chemical Properties

Cas. No. 101714-41-4

SMILES O=C(CSC#N)C1=CC=C(O)C(O)=C1

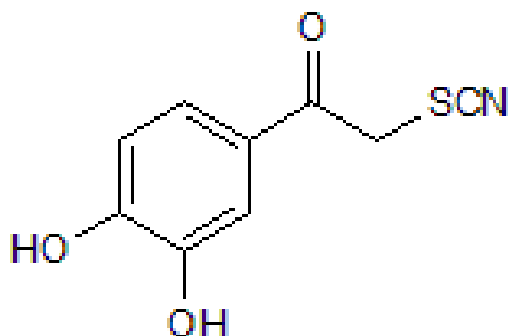
Formula C₉H₇NO₃S M.Wt 209.22

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS (pH 7.2) (1:3): 0.25 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

BiP (Hsp70-5) ER chaperone inducer; induces BiP expression in vitro and in vivo. Protects against ER-stress induced cell death in neuronal and retinal cell lines. Also protects against ischaemia-induced hippocampal cell death in vivo.

Inokuchi et al (2009) Effect of an inducer of BiP, a molecular chaperone, on endoplasmic reticulum (ER) stress-induced retinal cell death. Invest.Ophthalmol.Vis.Sci. 50 334 PMID:18757512 | Oida et al (2008) Induction of BiP, an ER-resident protein, prevents the neuronal death induced by transient forebrain ischemia in gerbil. Brain Res. 1208 217 PMID:18395193 | Kudo et al (2008) A molecular chaperone inducer protects neurons from ER stress. Cell Death Differ. 15 364 PMID:18049481

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

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