

Product Data Sheet

Product Name: JX 06
Cat. No.: GC50280

Chemical Properties

Cas. No. 729-46-4

SMILES S=C(SSC(N1CCOCC1)=S)N2CCOCC2

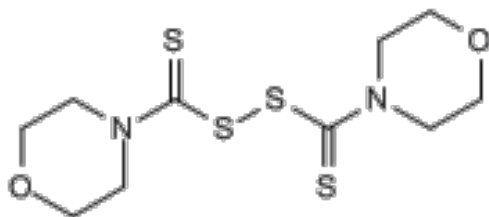
Formula C10H16N2O2S4 M.Wt 324.51

Solubility Soluble in DMSO 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

Potent and selective pyruvate dehydrogenase kinase (PDK) 1/2/3 inhibitor (IC₅₀ values are 49, 101 and 313 nM for PDK1, PDK2 and PDK3, respectively). Exhibits selectivity for PDK1/2/3 over PDK4 and a panel of 323 other kinases. Suppresses A549 lung cancer cell proliferation in vitro. Reduces tumor volume of A549 xenografts in mice.

Sun et al (2015) JX06 selectively inhibits pyruvate dehydrogenase kinase PDK1 by a covalent cysteine modification. Cancer Res. 75 4923 PMID:26483203

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

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