

Product Data Sheet

Product Name: Dasatinib N-oxide

Cat. No.: GC45687

Chemical Properties

Cas. No. 910297-52-8

SMILES OCCN(CCN1C2=CC(NC3=NC=C(C(NC4=C(Cl)C=CC=C4C)=O)S3)=NC(C)=N2)(CC1)=O

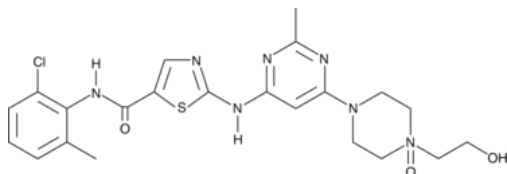
Formula C₂₂H₂₆ClN₇O₃S M.Wt 504

Solubility Soluble in DMSO Storage 4°C, protect from light

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

Dasatinib N-oxide is a major metabolite of the Abl and Src kinase inhibitor dasatinib.¹ It is also a potential impurity in commercial preparations of dasatinib.²

[1. Christopher, L.J., Cui, D., Li, W., et al. Biotransformation of [14C]dasatinib: In vitro studies in rat, monkey, and human and disposition after administration to rats and monkeys. Drug Metab. Dispos. 36(7), 1341-1356 (2008).|2. PlachkÁ, K., Vec, F., and NovÁkovÁ, L. Ultra-high performance supercritical fluid chromatography in impurity control: Searching for generic screening approach. Anal. Chim. Acta 1039, 149-161 (2018).

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

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