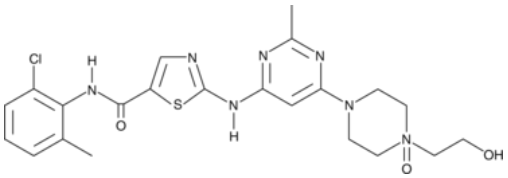
Product Data Sheet

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 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

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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