

JAK2 Inhibitor III, SD-1029

Cat. No. CEI-1062

Lot. No. (See product label)

Introduction

Description

A cell-permeable xanthenedione compound that acts as a JAK2-selective inhibitor. It exhibits much less effect on the cellular phosphorylation levels of Jak1 and Src and shows no significant inhibition towards a panel of 49 other protein kinases in cell-free kinase assays at a concentration of 10 μ M. Effectively inhibits cell proliferation in JAK-activated BA/F3 cell lines as well as phosphorylation and nuclear translocation of cellular Stat3

Synonyms

JTK10, THCYT3

Product Information

CAS No.

118372-34-2

Molecular Formula

C₂₅H₃₀Cl₂N₂O₃ • 2HBr

Chemical Name

9-(3,4-Dichlorophenyl)-2,7-bis(dimethylaminomethyl)-3,4,5,6,7,9-hexahydro-2H-xanthene-1,8-dione, 2HBr, NSC 371488

Molecular Weight

639.3

Purity

>80% by HPLC (sum of isomers)

Targets

JAK2

Solubility

DMSO

Storage and Shipping Information

Storage

+2 centigrade to +8 centigrade