

Product Name	: SD-1029
Synonyms	: SD1029; NSC 371488
Cat No.	: M10623
CAS Number	: 118372-34-2
Molecular Formula	: C ₂₅ H ₃₀ Cl ₂ N ₂ O ₃ 2HBr
Formula Weight	: 639.30
Chemical Name	: 9-(3,4-dichlorophenyl)-2,7-bis[(dimethylamino)methyl]-3,4,5,6,7,9-hexahydro-1H-xanthene-1,8(2H)-dione, dihydrobromide
Description	SD-1029 (NSC 371488) is a potent inhibitor of Stat3 activation, suppresses EGFP-Stat3 nuclear translocation at 10 uM in both BHK-21 and U2-OS cells; inhibits Stat3-mediated antiapoptotic protein expression (Bcl-XL, MCL-1, and survivin), and suppresses phosphotyrosine levels of JAK2; inhibits IL-6 or oncostatin-induced Stat3 nuclear translocation at micromolar range, enhances apoptosis induced by paclitaxel in human cancer cells.
Pathway	: JAK/STAT Signaling
Target	: STAT
Receptor	: STAT
Solubility	: —
SMILES	: <chem>O=C1C(C2=CC=C(Cl)C(Cl)=C2)C3=C(CCC(N(C)C)C3=O)O4=C4CCC1CN(C)C.[H]Br.[H]Br</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Duan Z, et al. Clin Cancer Res. 2006 Nov 15;12(22):6844-52. | 2. Yang C, et al. Mol Cancer Ther. 2009 Sep;8(9):2597-605. | 3. Che Mat NF, et al. J Interferon Cytokine Res. 2011 Apr;31(4):363-71.