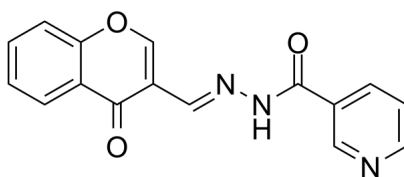


Data Sheet

Product Information

Catalog Number	BP15261
Product Name	STAT5-IN-1
Description	STAT5 Inhibitor is a cell-permeable inhibitor which suppresses Stat5 via binding to the SH2 domain.
Targets&IC50	STAT5:47 μ M
In vitro	The signal transducer and activator of transcription 5 (STAT5) is a member of the STAT family of proteins, implicated in cell growth and differentiation. STAT5-IN-1 inhibits STAT5 by binding to the SH2 domain. The functions of the SH2 domains of STAT3, STAT1, and of the tyrosine kinase Lck are inhibited to a lesser extent (IC ₅₀ >500 μ M). STAT5-IN-1 block STAT5/STAT5 DNA binding in K562 nuclear extracts. Substitution of the hydrogen at C6 of the chromone ring by an ethyl group does not affect activity of STAT5-IN-1 against STAT5 β , but leads to complete loss of selectivity against other STAT family members
Synonyms	STAT5 Inhibitor
CAS No.	285986-31-4
Chemical Formula	C ₁₆ H ₁₁ N ₃ O ₃
Molecular Weight	293.282
Solubility	DMSO: 23.0 mg/mL
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



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