

Product Information

Stat inhibitor STAT3-IN-3, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ1019

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 2361304-26-7

Compound CID: 138454793

Synonym: STAT3-IN-3; 2361304-26-7;

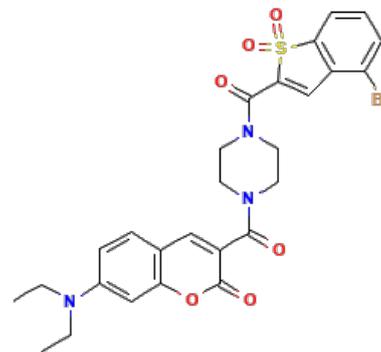
3-(4-(4-

Bromo-1,1-dio

xidocinnamoyl)piperazine-1-carbonyl]-7-(diethylamino)-2*H*-chromen-2-one; 3-[4-(4-Br

omo-1,1-dioxo-1-benzothiophene-2-carbonyl)piperazine-1-carbonyl]-7-(diethylamino)c

hromen-2-one; Stat inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	STAT3-IN-3 is an inhibitor of STAT activation and signaling activity.
Molecular Weight	600.48
Molecular Formula	C ₂₇ H ₂₆ BrN ₃ O ₆ S
IUPAC Name	3-[4-(4-Bromo-1,1-dioxo-1-benzothiophene-2-carbonyl)piperazine-1-carbonyl]-7-(diethylamino)chromen-2-one
InChI	InChI=1S/C27H26BrN3O6S/c1-3-29(4-2)18-9-8-17-14-20(27(34)37-22(17)15-18)25(32)30-10-12-31(13-11-30)26(33)24-16-19-21(28)6-5-7-23(19)38(24,35)36/h5-9,14-16H,3-4,10-13H2,1-2H3
InChI Key	LEVMMUZFAXTJOJ-UHFFFAOYSA-N
Canonical SMILES	CCN(CC)C1=CC2=C(C=C1)C=C(C(=O)O2)C(=O)N3CCN(CC3)C(=O)C4=CC5=C(S4(=O)=O)C=CC=C5Br
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	STAT3-IN-3 is used to research its inhibitory effects on STAT3 signaling in cancer cells.
Storage	Store at -20°C.



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