

## Product Information

### Stat inhibitor C188-9, Purity $\geq 98\%$

**Cat. No.:** X23-10-ZQ1016

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

**MDL:** MFCD03141581

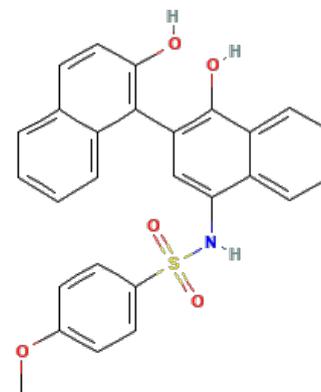
**CAS Number:** 432001-19-9

**Compound CID:** 1324494

**Synonym:** C188-9; 432001-19-9; TTI-101; STAT3 inhibitor TTI-101; TTI101; Stat3 inhibitor c188-9;

*N*-(1',2-Dihydroxy-[1,2'-binaphthalen]-4'-yl)-4-methoxybenzenesulfonamide; Stat inhibitor

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



#### Product Information

<b>Description</b>	C188-9, soluble in DMSO and ethanol and insoluble in water, is an inhibitor of STAT activation and signaling activity. It targets STAT3.
<b>Molecular Weight</b>	471.52
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>21</sub> NO <sub>5</sub> S
<b>Targets</b>	STAT3: 4.7 nM (Kd)
<b>IUPAC Name</b>	<i>N</i> -[4-Hydroxy-3-(2-hydroxynaphthalen-1-yl)naphthalen-1-yl]-4-methoxybenzenesulfonamide
<b>InChI</b>	InChI=1S/C27H21NO5S/c1-33-18-11-13-19(14-12-18)34(31,32)28-24-16-23(27(30)22-9-5-4-8-21(2)24)26-20-7-3-2-6-17(20)10-15-25(26)29/h2-16,28-30H,1H3
<b>InChI Key</b>	QDCJDYWGYPBDO-UHFFFAOYSA-N
<b>Canonical SMILES</b>	<chem>COC1=CC=C(C=C1)S(=O)(=O)NC2=CC(=C(C3=CC=CC=C3O))C4=C(C=CC5=CC=CC=C54)O</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	DMSO: 81 mg/mL (171.78 mM); Water: Insoluble; Ethanol: 5 mg/mL (10.6 mM)
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	C188-9 can be used to inhibit STAT3, providing insights for targeting STAT3-driven tumors.
<b>Storage</b>	Store at -20°C.



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