

## Product Information

### Stat inhibitor S3I-201, Purity $\geq 98\%$

**Cat. No.:** X23-10-ZQ1004

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

**CAS Number:** 501919-59-1

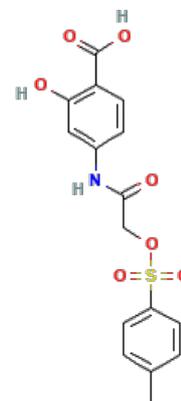
**Compound CID:** 252682

**Synonym:** 501919-59-1; Nsc 74859; S3I-201;

2-Hydroxy-4-(2-(tosyloxy)acetamido)benzoic acid; S3I-201; NSC-74859; NSC74859;

Stat inhibitor

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



### Product Information

|                          |   |
|--------------------------|---|
| <b>Description</b>       | S3I-201, soluble in DMSO and insoluble in ethanol and water, is an inhibitor of STAT activation and signaling activity. It targets STAT3. |
| <b>Molecular Weight</b>  | 365.4   |
| <b>Molecular Formula</b> | C <sub>16</sub> H <sub>15</sub> NO <sub>7</sub> S   |
| <b>Targets</b>           | STAT3: 86 $\mu$ M   |
| <b>IUPAC Name</b>        | 2-Hydroxy-4-[[2-(4-methylphenyl)sulfonyloxyacetyl]amino]benzoic acid  |
| <b>InChI</b>             | InChI=1S/C16H15NO7S/c1-10-2-5-12(6-3-10)25(22,23)24-9-15(19)17-11-4-7-13(16(20)21)14(18)8-11/h2-8,18H,9H2,1H3,(H,17,19)(H,20,21)          |
| <b>InChI Key</b>         | HWNUSGNZBAISFM-UHFFFAOYSA-N   |
| <b>Canonical SMILES</b>  | CC1=CC=C(C=C1)S(=O)(=O)OCC(=O)NC2=CC(=C(C=C2)C(=O)O)O   |
| <b>Form</b>              | Lyophilized powder  |
| <b>Purity</b>            | $\geq 98\%$   |
| <b>Solubility</b>        | DMSO: 66 mg/mL (180.64 mM); Water: Insoluble; Ethanol: Insoluble  |
| <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>      | S3I-201 is used to inhibit STAT3 activation, aiding in investigations into its role in tumor progression.                                 |
| <b>Storage</b>           | Store at $-20^{\circ}\text{C}$ .  |