

Product Information

STING ligand-1, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ678

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

CAS Number: 2365039-41-2

Compound CID: 135393515

Synonym: STING ligand-1; 2365039-41-2; ChEMBL4557373;

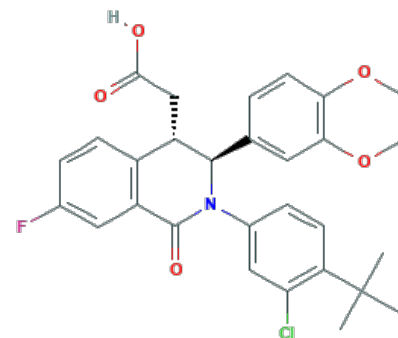
[(3S,4S)-2-(4-*tert*

-butyl-3-chlorophenyl)-3-(2,3-dihydro-1,4-benzo

dioxin-6-yl)-7-fluoro-1-oxo-1,2,3,4-tetrahydroisoquinolin-4-yl]acetic acid; STING

inhibitor

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



Product Information

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|--------------------------|---|
| Description | STING ligand-1 is a lead STING ligand. |
| Molecular Weight | 523.98 |
| Molecular Formula | C ₂₉ H ₂₇ ClFNO ₅ |
| IUPAC Name | 2-[(3S,4S)-2-(4- <i>tert</i> -butyl-3-chlorophenyl)-3-(2,3-dihydro-1,4-benzodioxin-6-yl)-7-fluoro-1-oxo-3,4-dihydroisoquinolin-4-yl]acetic acid |
| InChI | InChI=1S/C29H27ClFNO5/c1-29(2,3)22-8-6-18(14-23(22)30)32-27(16-4-9-24-25(12-16)37-11-10-36-24)20(15-26(33)34)19-7-5-17(31)13-21(19)28(32)35/h4-9,12-14,20,27H,10-11,15H2,1-3H3,(H,33,34)/t20-,27+/m0/s1 |
| InChI Key | JAIASWXASHNQH-CCLHPLFOSA-N |
| Canonical SMILES | CC(C)(C)C1=C(C=C(C=C1)N2C(C(C3=C(C2=O)C=C(C=C3)F)CC(=O)O)C4=CC5=C(C=C4)OCCO5)Cl |
| Isomeric SMILES | CC(C)(C)C1=C(C=C(C=C1)N2[C@@H]([C@H](C3=C(C2=O)C=C(C=C3)F)CC(=O)O)C4=CC5=C(C=C4)OCCO5)Cl |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Identity | Confirmed by NMR/HPLC/MS. |



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|---------------------|---|
| Stability | The product is stable for three years when stored at the recommended temperature in lyophilized powder. |
| Applications | STING ligand-1 can be used to investigate the stimulation of the STING pathway, important in cancer immunotherapy and antiviral immune responses. |
| Storage | Store at -20°C. |
