



## Product Information

### Ras inhibitor 6H05, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ905

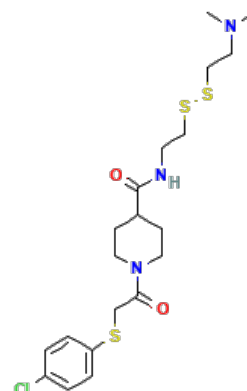
**Size:** 5 mg; 10 mg; 50 mg

**CAS Number:** 1469338-01-9

**Compound CID:** 73443124

**Synonym:** 1469338-01-9; K-Ras inhibitor; Ras inhibitor

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



#### Product Information

|                          |                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | 6H05, soluble in DMSO, water and ethanol, blocks the activity of Ras proteins, which play a key role in cell signal transduction and are frequently implicated in oncogenic mutations. |
| <b>Molecular Weight</b>  | 476.12                                                                                                                                                                                 |
| <b>Molecular Formula</b> | C <sub>20</sub> H <sub>30</sub> ClN <sub>3</sub> O <sub>2</sub> S <sub>3</sub>                                                                                                         |
| <b>IUPAC Name</b>        | 1-[2-(4-Chlorophenyl)sulfanylacetyl]-N-[2-[2-(dimethylamino)ethyl]disulfanyl]ethyl]piperidine-4-carboxamide                                                                            |
| <b>InChI</b>             | InChI=1S/C20H30ClN3O2S3/c1-23(2)12-14-29-28-13-9-22-20(26)16-7-10-24(11-8-16)19(25)15-27-18-5-3-17(21)4-6-18/h3-6,16H,7-15H2,1-2H3,(H,22,26)                                           |
| <b>InChI Key</b>         | WEEYMZOUPNIHLG-UHFFFAOYSA-N                                                                                                                                                            |
| <b>Canonical SMILES</b>  | CN(C)CCSSCCNC(=O)C1CCN(CC1)C(=O)CSC2=CC=C(C=C2)Cl                                                                                                                                      |
| <b>Form</b>              | Lyophilized powder                                                                                                                                                                     |
| <b>Purity</b>            | $\geq 98\%$                                                                                                                                                                            |
| <b>Solubility</b>        | DMSO: 93 mg/mL (157.59 mM); Water: 93 mg/mL (157.59 mM); Ethanol: 93 mg/mL (157.59 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>      | 6H05 can be used to inhibit the interaction of Ras with its effectors; specifically targeting the SOS1-KRAS interaction.                                                               |
| <b>Storage</b>           | Store at -20°C.                                                                                                                                                                        |