

[D-Arg1,D-Trp5,7,9,Leu11]-Substance P

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 122481-75-8 |
| Formula: | C81H110N20O12 |
| Molecular Weight: | 1555.9 |
| Storage: | Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |

Biological Description

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|---------------|--|
| Description | [D-Arg1,D-Trp5,7,9,Leu11]-Substance P is a potent inhibitor of small cell lung cancer (SCLC) cell growth. As a neuropeptide antagonist, [D-Arg1,D-Trp5,7,9,Leu11]-Substance P effectively blocks colony formation stimulated by multiple neuropeptides such as vasopressin and bradykinin. It inhibits Ca ²⁺ mobilization and mitogen-activated protein kinase activation induced by vasopressin or bradykinin. [D-Arg1,D-Trp5,7,9,Leu11]-Substance P also suppresses the growth of H-69 xenografts in nude mice. |
| Targets(IC50) | Neurotensin Receptor |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.6427 mL | 3.2136 mL | 6.4271 mL |
| 5 mM | 0.1285 mL | 0.6427 mL | 1.2854 mL |
| 10 mM | 0.0643 mL | 0.3214 mL | 0.6427 mL |
| 50 mM | 0.0129 mL | 0.0643 mL | 0.1285 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481