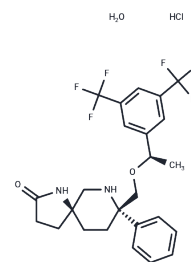


Rolapitant hydrochloride hydrate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 914462-92-3 |
| Formula: | C ₂₅ H ₂₉ ClF ₆ N ₂ O ₃ |
| Molecular Weight: | 554.95 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | Rolapitant, also known as SCH-619734, is an orally bioavailable, centrally-acting, selective, neurokinin 1 receptor (NK1-receptor) antagonist with potential antiemetic activity. Upon oral administration, rolapitant competitively binds to and blocks the activity of the NK1-receptor in the central nervous system, thereby inhibiting the binding of the endogenous ligand, substance P (SP). This may prevent both SP-induced emesis and chemotherapy-induced nausea and vomiting (CINV). The interaction of SP with the NK1-receptor plays a key role in the induction of nausea and vomiting caused by emetogenic cancer chemotherapy. |
| Targets(IC50) | Others, Neurokinin receptor |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.802 mL | 9.0098 mL | 18.0196 mL |
| 5 mM | 0.3604 mL | 1.802 mL | 3.6039 mL |
| 10 mM | 0.1802 mL | 0.901 mL | 1.802 mL |
| 50 mM | 0.036 mL | 0.1802 mL | 0.3604 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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