

# Product Information

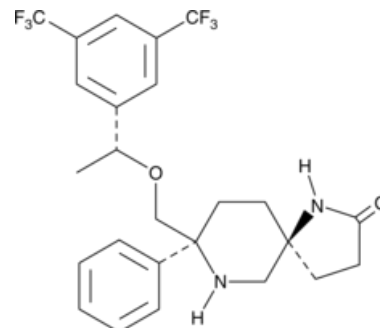


## Rolapitant

Cat No: 23906 - 1 mg

### General Data

Shipping:	dry ice
Formulation:	A crystalline solid
Purity:	≥98%



### Product Overview

Rolapitant is a potent neurokinin-1 (NK1) receptor antagonist ( $K_i = 0.66$  nM for the human receptor).{35201} It is greater than 1,000-fold selective for NK1 over NK2 and NK3 and lacks activity in a panel of 100 receptors, transporters, enzymes, and ion channels. Rolapitant inhibits GR-73632-induced calcium efflux in CHO cells expressing human NK1 in a concentration-dependent manner. In vivo, rolapitant inhibits GR-73632-induced foot-tapping in gerbils ( $ID_{90} = 0.3$  mg/kg). It also prevents emesis in ferrets induced by apomorphine (Item No. 16094) and cisplatin (Item No. 13119) with  $ED_{50}$  values of 0.03 and 0.07 mg/kg, respectively. Formulations containing rolapitant have been used to prevent chemotherapy-induced nausea and vomiting.

FP/22/24

For research laboratory use only – Not for human diagnostic use.

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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