

Product Name	: Penehyclidine hydrochloride
Synonyms	: —
Cat No.	: M35531
CAS Number	: 151937-76-7
Molecular Formula	: C ₂₀ H ₃₀ ClNO ₂
Formula Weight	: 351.91
Chemical Name	: —
Description	Penehyclidine (Penequinine) hydrochloride, a anticholinergic agent, is a selective antagonist of M1 and M3 receptors. Penehyclidine hydrochloride activates NF- κ B in lung tissue and inhibits the release of inflammatory factors. Penehyclidine hydrochloride can alleviate the pulmonary inflammatory response in rats with chronic obstructive pulmonary disease (COPD) undergoing mechanical ventilation.
Pathway	: Apoptosis
Target	: NF- κ B
Receptor	: NF- κ B AChR
Solubility	: —
SMILES	: Cl.Oc(COC1CN2CCC1CC2)(C1CCCC1)c1cccc1
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Zhi-Yuan Chen, et al. The Mechanism of Penehyclidine Hydrochloride and Its Effect on the Inflammatory Response of Lung Tissue in Rats with Chronic Obstructive Pulmonary Disease During Mechanical Ventilation. Int J Chron Obstruct Pulmon Dis. 2021 Mar 31;16:877-885.?