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DATASHEET

Tropisetron hydrochloride

Product overview

Name	Tropisetron hydrochloride
Cat No	HB2827
Alternative names	ICS 205930 Novaban
Biological action	Antagonist
Purity	>99%
Description	Potent 5-HT ₃ receptor antagonist. Also α7 nAChR partial agonist. Activates α7Q79G-GlyR chimeric ion channels.

Biological Data

Biological description	Potent 5-HT ₃ receptor antagonist. Also α7 nAChR partial agonist. It additionally activates α7Q79G-GlyR chimeric ion channels (EC ₅₀ = 38 nM). Active <i>in vivo</i> . Also shows anti-emetic activity.
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Solubility & Handling

Storage instructions	Room temperature (desiccate)
Solubility overview	Soluble in water (100mM) and in DMSO (50mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	[(1R,5S)-8-methyl-8-azabicyclo[3.2.1]octan-3-yl] 1H-indole-3-carboxylate;hydrochloride
Molecular Weight	320.81
Molecular Formula	C ₁₇ H ₂₁ ClN ₂ O ₂
CAS Number	105826-92-4
PubChem identifier	656664
SMILES	CN1[C@@H]2CC[C@H]1CC(C2)OC(=O)C3=CNC4=CC=CC=C43.Cl
InChi	InChI=1S/C17H20N2O2.ClH/c1-19-11-6-7-12(19)9-13(8-11)21-17(20)15-10-18-16-5-3-2-4-14(15)16;/h2-5,10-13,18H,6-9H2,1H3;1H/t11-,12+,13?;XIEGSJAEZIGKSA-KOQCZNHOSA-N
InChiKey	MFCD00210221
MDL number	

References

Tropisetron in the Prevention of Acute Nausea and Vomiting in Patients Treated With High Dose Epirubicin

Nicolaides et al (1998) J Exp Clin Cancer Res. 17(1)

PubMedID [9646236](#)

