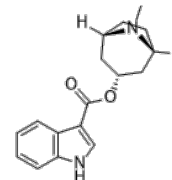


**Product Name** : Tropisetron  
**Cat. No.** : PC-26558  
**CAS No.** : 89565-68-4  
**Molecular Formula** : C<sub>17</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 284.36  
**Target** : 5-HT Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

Tropisetron (SDZ-ICS-930) is a potent, orally active 5-HT<sub>3</sub>R antagonist (K<sub>i</sub>=5.3 nM), also is a potent and selective α<sub>7</sub> nicotinic partial agonist (EC<sub>50</sub>=1.3 μM).

Tropisetron prevents phosphorylation and activation of the p38 MAPK.

Tropisetron inhibits both IL-2 gene transcription and IL-2 synthesis in stimulated T cells.

Tropisetron inhibits the binding to DNA and the transcriptional activity of NFAT and AP-1.

Tropisetron shows anti-inflammatory and antiemetic.

## References

Macor JE, et al. *Bioorg Med Chem Lett*. 2001 Feb 12;11(3):319-21.

Vega Lde L, et al. *Biochem Pharmacol*. 2005 Aug 1;70(3):369-80.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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