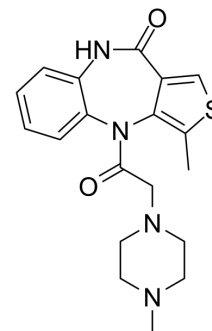


## Telenzepine

Cat. No.:	HY-B1789
CAS No.:	80880-90-6
Molecular Formula:	C <sub>19</sub> H <sub>22</sub> N <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	370.47
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Telenzepine is an antimuscarinic agent with  $K_{is}$  of 0.94 nM (M1 mAChR) and 17.8 nM (M2 mAChR) binding to muscarinic receptors. Telenzepine effectively blocks synaptic transmission promoted by muscarinic or M1 receptor agonists. Thus, Telenzepine can reduce the amplitude of extracellular slow excitatory postsynaptic potentials ( $EC_{50}=38$  nM) and slow inhibitory postsynaptic potentials ( $EC_{50}=253$  nM)<sup>[1]</sup>.

### REFERENCES

[1]. Telenzepine. IMGT.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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