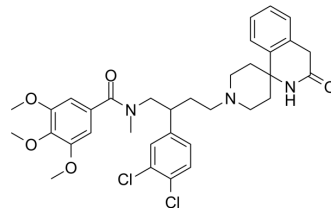


## YM-44778

Cat. No.:	HY-120167
CAS No.:	173941-74-7
Molecular Formula:	C <sub>34</sub> H <sub>39</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	640.6
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

YM-44778 is a neurokinin receptor antagonist. The  $pK_i$  values for NK1, NK2 and NK3 are 8.08, 8.55 and 8.24, respectively. YM-44778 inhibits the increase of bladder pressure induced by substance [Sar<sup>9</sup>,Met(O<sub>2</sub>)<sup>11</sup>]-P (HY-P1012) in anesthetized rats [1].

## REFERENCES

[1]. Choppin A, et al. Effect of YM-44781, YM-44778 and YM-49598, novel tachykinin antagonists, in a drug-induced bladder contraction model. *Pharmacology*. 2002;65(2):96-102.

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

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