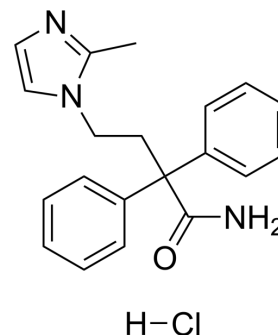


## Imidafenacin hydrochloride

Cat. No.:	HY-B0662A
CAS No.:	893421-54-0
Molecular Formula:	C <sub>20</sub> H <sub>22</sub> ClN <sub>3</sub> O
Molecular Weight:	355.86
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Imidafenacin hydrochloride is a potent and selective inhibitor of M3 receptors with a K <sub>B</sub> of 0.317 nM <sup>[1]</sup> .
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### REFERENCES

- [1]. Miyachi H, et al. Synthesis and antimuscarinic activity of a series of 4-(1-Imidazolyl)-2,2-diphenylbutyramides: discovery of potent and subtype-selective antimuscarinic agents. *Bioorg Med Chem.* 1999 Jun;7(6):1151-61.
- [2]. Yamazaki T, et al. Imidafenacin has no influence on learning in nucleus basalis of Meynert-lesioned rats. *Naunyn Schmiedebergs Arch Pharmacol.* 2013 Dec;386(12):1095-102.

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

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