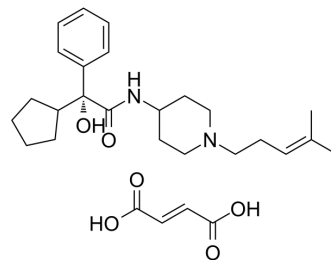


## J 104129 fumarate

Cat. No.:	HY-107653
CAS No.:	257603-40-0
Molecular Formula:	C <sub>28</sub> H <sub>40</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	500.63
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>	J 104129 fumarate is a selective and orally active muscarinic M3 antagonist with K <sub>i</sub> values of 4.2 nM and 490 nM for M3 and M2, respectively. J 104129 fumarate antagonized ACh-induced bronchoconstriction. J 104129 fumarate has the potential for the research of obstructive airway disease <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	mAChR3 4.2 nM (K <sub>i</sub> )	mAChR2 490 nM (K <sub>i</sub> )

### REFERENCES

[1]. Mitsuya M, et al. J-104129, a novel muscarinic M3 receptor antagonist with high selectivity for M3 over M2 receptors. *Bioorg Med Chem.* 1999 Nov;7(11):2555-67.

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

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