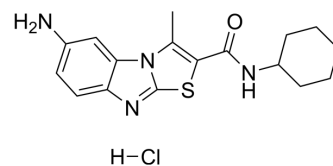


## Desmethyl-YM-298198 hydrochloride

Cat. No.:	HY-103567
CAS No.:	1177767-57-5
Molecular Formula:	C <sub>17</sub> H <sub>21</sub> ClN <sub>4</sub> OS
Molecular Weight:	364.89
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Desmethyl-YM-298198 hydrochloride is a high-affinity, selective, and noncompetitive mGluR1 antagonist (IC <sub>50</sub> : 16 nM). Desmethyl-YM-298198 hydrochloride has analgesic effect in Streptozotocin (HY-13753)-induced hyperalgesic mice <sup>[1]</sup> .
IC <sub>50</sub> & Target	16 nM (mGluR1) <sup>[1]</sup>

### REFERENCES

[1]. Kohara A, et al. Radioligand binding properties and pharmacological characterization of 6-amino-N-cyclohexyl-N,3-dimethylthiazolo[3,2-a]benzimidazole-2-carboxamide (YM-298198), a high-affinity, selective, and noncompetitive antagonist of metabotropic glutamate receptor type 1. *J Pharmacol Exp Ther*. 2005 Oct;315(1):163-9.

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

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