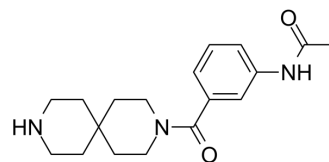


## GABAA receptor agent 6

Cat. No.:	HY-145258
CAS No.:	1808463-81-1
Molecular Formula:	C <sub>18</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	315.41
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	GABAA receptor agent 6 (compound 2027) is a potent $\gamma$ -GABAAR antagonist with an $K_i$ of 0.56 $\mu$ M. GABAA receptor agent 6 shows $\gamma$ -GABAAR antagonist activity with low cellular membrane permeability <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	$K_i$ : 0.56 $\mu$ M ( $\gamma$ -GABAAR) <sup>[1]</sup>
<b>In Vitro</b>	GABAA receptor agent 6 (compound 2027) shows antagonist activity with IC <sub>50</sub> s of 6.68, 1.03, 0.36, 4.13, 4.96, 2.96, 0.29, 0.59 $\mu$ M for $\alpha$ 1 $\beta$ 2 $\delta$ , $\alpha$ 4 $\beta$ 1 $\delta$ , $\alpha$ 4 $\beta$ 2 $\delta$ , $\alpha$ 6 $\beta$ 2 $\delta$ , $\alpha$ 1 $\beta$ 2 $\gamma$ 2, $\alpha$ 2 $\beta$ 2 $\gamma$ 2, $\alpha$ 3 $\beta$ 2 $\gamma$ 2, $\alpha$ 5 $\beta$ 2 $\gamma$ 2 subtypes, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Bavo F, et al. Structure-Activity Studies of 3,9-Diazaspiro[5.5]undecane-Based  $\gamma$ -Aminobutyric Acid Type A Receptor Antagonists with Immunomodulatory Effect. J Med Chem. 2021 Dec 23;64(24):17795-17812.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA