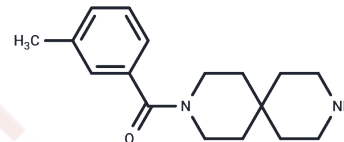


## GABAA receptor agent 4

## Chemical Properties

CAS No. :	2035203-91-7
Formula:	C17H24N2O
Molecular Weight:	272.39
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	GABAA receptor agent 4 (compound 1e) is a potent antagonist of $\gamma$ -GABAAR, exhibiting a $K_i$ of 0.18 $\mu$ M, and demonstrates immunomodulatory potential by effectively rescuing the inhibition of T cell proliferation [1].
Targets(IC50)	Others,GABA Receptor
In vitro	Compound 1e, a GABAA receptor antagonist, exhibits varying inhibitory concentrations (IC50s) across subtypes: 4.95 $\mu$ M ( $\alpha$ 1 $\beta$ 2 $\delta$ ), 0.195 $\mu$ M ( $\alpha$ 4 $\beta$ 1 $\delta$ ), 0.250 $\mu$ M ( $\alpha$ 4 $\beta$ 2 $\delta$ ), 1.95 $\mu$ M ( $\alpha$ 6 $\beta$ 2 $\delta$ ), 2.18 $\mu$ M ( $\alpha$ 1 $\beta$ 2 $\gamma$ 2), 7.56 $\mu$ M ( $\alpha$ 2 $\beta$ 2 $\gamma$ 2), 0.56 $\mu$ M ( $\alpha$ 3 $\beta$ 2 $\gamma$ 2), and 0.54 $\mu$ M ( $\alpha$ 5 $\beta$ 2 $\gamma$ 2) [1]. Additionally, at a concentration of 50 $\mu$ M over 96 hours, Compound 1e counteracts alprazolam-induced proliferation inhibition in both human PBMC and mouse splenocyte populations, demonstrating minimal cellular toxicity [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6712 mL	18.356 mL	36.7121 mL
5 mM	0.7342 mL	3.6712 mL	7.3424 mL
10 mM	0.3671 mL	1.8356 mL	3.6712 mL
50 mM	0.0734 mL	0.3671 mL	0.7342 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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