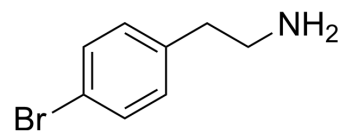


ZH8651

Cat. No.:	HY-42346
CAS No.:	73918-56-6
Molecular Formula:	C ₈ H ₁₀ BrN
Molecular Weight:	200.08
Target:	Trace Amine-associated Receptor (TAAR)
Pathway:	GPCR/G Protein
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (499.80 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	1 mg	5 mg	10 mg
		1 mM	4.9980 mL	24.9900 mL	49.9800 mL
		5 mM	0.9996 mL	4.9980 mL	9.9960 mL
		10 mM	0.4998 mL	2.4990 mL	4.9980 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (12.50 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.50 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	ZH8651 is an agonist of TAAR1 which can activate both Gs and Gq signal pathway. ZH8651 can used in study schizophrenia ^[1]
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REFERENCES

[1]. Shang P, et al. Structural and signaling mechanisms of TAAR1 enabled preferential agonist design. Cell. 2023 Nov 22;186(24):5347-5362.e24.

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

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