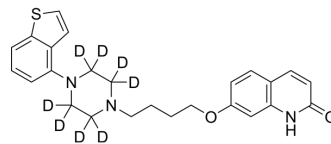


Brexpiprazole-d₈

Cat. No.:	HY-15780S
CAS No.:	1427049-21-5
Molecular Formula:	C ₂₅ H ₁₉ D ₈ N ₃ O ₂ S
Molecular Weight:	441.62
Target:	5-HT Receptor; Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Brexpiprazole-d₈ is a deuterium labeled Brexpiprazole (OPC-34712). Brexpiprazole, an atypical antipsychotic agent, is a partial agonist of human 5-HT_{1A} and dopamine receptor (K_i=0.12 nM and 0.3 nM, respectively). Brexpiprazole is also a 5-HT_{2A} receptor antagonist (K_i=0.47 nM)[1][2].

REFERENCES

- [1]. Ishima T, et al. Potentiation of neurite outgrowth by brexpiprazole, a novel serotonin-dopamine activity modulator: a role for serotonin 5-HT_{1A} and 5-HT_{2A} receptors. *Eur Neuropsychopharmacol.* 2015 Apr;25(4):505-11.
- [2]. Yoshimi N, et al. Improvement of dizocilpine-induced social recognition deficits in mice by brexpiprazole, a novel serotonin-dopamine activity modulator. *Eur Neuropsychopharmacol.* 2015 Mar;25(3):356-64.

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