Product Data Sheet

Product Name: Brexpiprazole
CAS No.: 913611-97-9
Cat. No.: HY-15780
MWt: 433.57
Formula: C25H27N3O2S
Purity: >98%
Solubility: 10 mM in DMSO

Mechanisms:
Pathways: GPCR/G protein; Target: Dopamine Receptor
Pathways: Neuronal Signaling; Target: Dopamine Receptor

Biological Activity:
Brexpiprazole is a novel D2 dopamine partial agonist.
IC50 Value: N/A
Target: Dopamine Receptor
in vitro: Brexpiprazole (OPC-34712) is a close structural analog of aripiprazole and shares some of its pharmacological properties. Similarly to aripiprazole, brexpiprazole exhibits partial agonism of D2R and an enhanced affinity for specific serotonin receptors (e.g., 5-HT1A, 5-HT2A and 5-HT7). Currently [1].
in vivo: Brexpiprazole is in Phase III clinical trials for patients with schizophrenia and as adjunctive therapy for patients with major depressive disorder [1]

References:

Caution: Not fully tested. For research purposes only

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