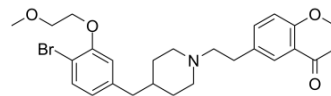


DSP-1053

Cat. No.:	HY-111419
CAS No.:	1176326-76-3
Molecular Formula:	C ₂₆ H ₃₂ BrNO ₄
Molecular Weight:	502.44
Target:	Serotonin Transporter
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DSP-1053 is a potent Serotonin Transporter (SERT) (K _i =1.02 nM) inhibitor with partial 5-HT _{1A} receptor (K _i =5.05 nM) agonistic activity.
IC ₅₀ & Target	Ki: 1.02 nM (SERT), 1.02 nM (5-HT _{1A}) ^[1]

REFERENCES

[1]. Yoshinaga H, et al. Discovery of DSP-1053, a novel benzylpiperidine derivative with potent serotonin transporter inhibitory activity and partial 5-HT_{1A} receptor agonistic activity. *Bioorg Med Chem*. 2018 May 1;26(8):1614-1627.

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

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