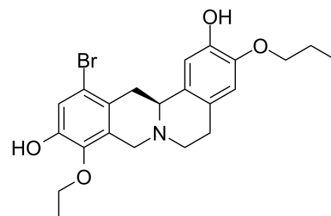


## D1R antagonist 1

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-149336   |
| CAS No.:           | 2983777-67-7  |
| Molecular Formula: | C <sub>22</sub> H <sub>26</sub> BrNO <sub>4</sub>   |
| Molecular Weight:  | 448.35  |
| Target:            | 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               | D1R antagonist 1 (compound 12a) is a D1R antagonist, involved in G-protein- and $\beta$ -arrestin-based signaling <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | D1R <sup>[1]</sup>   |

### REFERENCES

[1]. Namballa HK, et al. Discovery of Selective Dopamine Receptor Ligands Derived from (-)-Stepholidine via C-3 Alkoxylation and C-3/C-9 Dialkoxylation. J Med Chem. 2023 Jul 27;66(14):10060-10079.

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

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