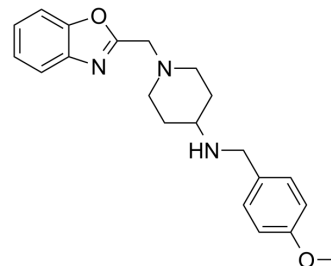


## DDO-02005 free base

Cat. No.:	HY-144801
CAS No.:	1186134-30-4
Molecular Formula:	C <sub>21</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	351.44
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	DDO-02005 (free base) is a potent Kv1.5 potassium channel inhibitor with an IC <sub>50</sub> value of 0.72 μM. DDO-02005 (free base) has good anti-atrial fibrillation (AF) effect in CaCl <sub>2</sub> -ACh AF rats model and effective anti-arrhythmic activity caused by aconitine <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.72 μM (Kv1.5 potassium channel) <sup>[1]</sup>

### REFERENCES

[1]. Zhao L, et al. Design, synthesis, and biological evaluation of arylmethylpiperidines as Kv1.5 potassium channel inhibitors. J Enzyme Inhib Med Chem. 2022;37(1):462-471.

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

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