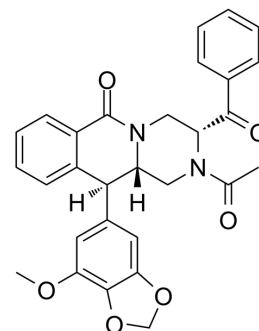


## P-gp inhibitor 2

Cat. No.:	HY-N144114
CAS No.:	2408406-89-1
Molecular Formula:	C <sub>29</sub> H <sub>26</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	498.53
Target:	P-glycoprotein
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	P-gp inhibitor 2 is a potent P-gp inhibitor. P-gp inhibitor 2 shows reverse Doxorubicin resistance (IC <sub>50</sub> =0.22 μM) in P-gp overexpressing human colorectal carcinoma cells (SW600 Ad300) <sup>[1]</sup> .
<b>In Vitro</b>	P-gp inhibitor 2 (compound 2) exhibits no cytotoxicity (IC <sub>50</sub> >30 μM) toward human carcinoma (SW600) cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Dewa AA, et al. Neochrysosporazines: Precursor-Directed Biosynthesis Defines a Marine-Derived Fungal Natural Product P-Glycoprotein Inhibitory Pharmacophore. *J Med Chem.* 2022, 65(3):2610-2622.

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

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