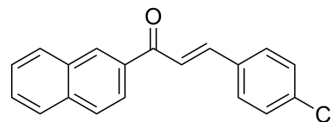


## CYP1B1-IN-7

Cat. No.:	HY-157942
CAS No.:	52601-58-8
Molecular Formula:	C <sub>19</sub> H <sub>13</sub> ClO
Molecular Weight:	292.76
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	CYP1B1-IN-7 (compound 2a) is a selective inhibitor of CYP1B1 (IC <sub>50</sub> : 75 nM). CYP1B1-IN-7 also reverses resistance (IC <sub>50</sub> : 29 μM) and exhibits cytotoxicity in the CYP1B1-overexpressing MCF-7 cell line that is resistant to Docetaxel (HY-B0011) <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 75 nM (CYP1B1) <sup>[1]</sup>

### REFERENCES

[1]. Raju B, et al. Scaffold hopping for designing of potent and selective CYP1B1 inhibitors to overcome docetaxel resistance: synthesis and evaluation. J Biomol Struct Dyn. 2024 Feb 14:1-19.

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

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