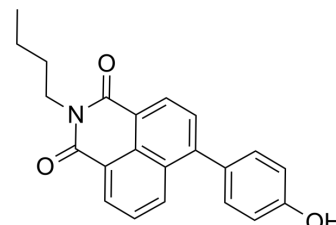


UGT1A1-IN-1

Cat. No.:	HY-160250
CAS No.:	2097024-37-6
Molecular Formula:	C ₂₂ H ₁₉ NO ₃
Molecular Weight:	345.39
Target:	UGT
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UGT1A1-IN-1 (compound 2) is a non-competitive inhibitor of UGT1A1, which can inhibit the 1-O-glucuronidation process mediated by UGT1A1 with a K _i value of 5.02 μM. UGT1A1-IN-1 (compound 2) can bind on UGT1A1 at the same ligand-binding site as bilirubin (HY-N0323). UGT1A1-IN-1 can serve as a 'turn-on' fluorescent probe substrate for UGT1A1 ^[1] .
IC₅₀ & Target	K _i : 5.02 μM (UGT1A1) ^[1] .

REFERENCES

[1]. Lv X, et al. A Practical and High-Affinity Fluorescent Probe for Uridine Diphosphate Glucuronosyltransferase 1A1: A Good Surrogate for Bilirubin. J Med Chem. 2017 Dec 14;60(23):9664-9675.

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

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