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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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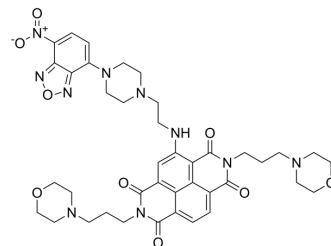
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H2S probe 1

Cat. No.:	HY-D2380
Molecular Formula:	C ₄₀ H ₄₆ N ₁₀ O ₉
Molecular Weight:	810.85
Target:	G-quadruplex
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

H2S probe 1 (compound 1NND) is a derivative of nitrobenzoxadiazole (NBD) with antitumor activity. H2S probe 1 is cytotoxic to human pancreatic cancer cell MIA PaCa-2 (IC₅₀=77.9 nM) and has a high affinity for human telomeric G-quadruplex (G4) (K_d=1.72 μM). H2S probe 1 can be used in cancer research^[1].

REFERENCES

[1]. Xinhang Zhang, et al. "Design and synthesis of dual functional NBD-fluorophore-incorporated naphthalene diimide derivatives as G-quadruplex ligands." *Bioorganic & Medicinal Chemistry Letters* 111 (2024): 129903.

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

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