

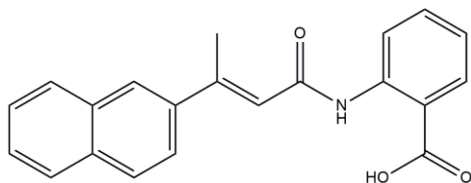
BIBR-1532

10/20

ALTERNATE NAMES: (E)-2-(3-(naphthalen-2-yl)but-2-enamido)benzoic acid; 2-[[[(2E)-3-(Naphthalen-2-Yl)but-2-Enoyl]amino]benzoic Acid; 2-[[[(2E)-3-(2-Naphthalenyl)-1-oxo-2-butenyl]amino]benzoic acid; Telomerase Inhibitor X

CATALOG #: B3082-5 5 mg
B3082-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₁₇NO₃

MOLECULAR WEIGHT: 331.26

CAS NUMBER: 321674-73-1

APPEARANCE: Off-white solid

PURITY: ≥ 98%

SOLUBILITY: ~30 mg/ml in DMSO or DMF
~1 mg/ml in ethanol

DESCRIPTION: BIBR-1532 is a highly potent mixed-type non-competitive inhibitor of telomerase. It inhibits telomerase in a dose-dependent manner, with an IC₅₀ of 93 nM. It specifically targets the telomerase reverse transcriptase catalytic subunit, TERT. It induces senescence in cancer cells.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

1. Pascolo, E., Wenz, C., Lingner, J., et al. Mechanism of human telomerase inhibition by BIBR1532, a synthetic, non-nucleosidic drug candidate. *The Journal of Biological Chemistry* 277(18), 15566-15572 (2002).
2. Damm, K., Hemmann, U., Garin-Chesa, P., et al. A highly selective telomerase inhibitor limiting human cancer cell proliferation. *EMBO Journal* 20(24), 6958-6968 (2014).

RELATED PRODUCTS:

(-)-Epigallocatechin gallate (Cat. No. 1841)
 2'-Deoxy-6-thioguanosine (Cat. No. 2828)
 TERT (Human) ELISA Kit (Cat. No. K4187)
 TERT Antibody (Cat. No. 6793)
 10058-F4 (Cat. No. 2739)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***