

LMP744 biochemical

LMP744 hydrochloride

CATALOG #
AAA201963

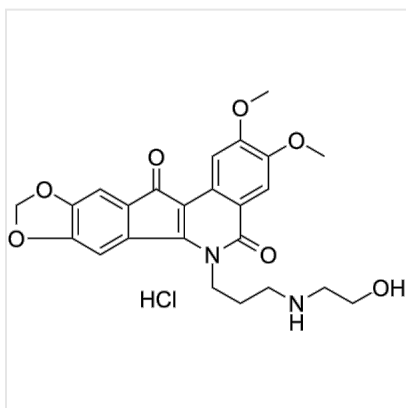
PRODUCT SYNONYMS

LMP744; LMP744 hydrochloride; MJ-III65 hydrochloride; NSC706744 hydrochloride; LMP744 biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	>98%
Receptor	DNA-PKCS; Ku 70/80 heterodimer protein
SMILES	<chem>Cl.COC1cc2c3C(=O)c4cc5OCOc5cc4-c3n(CCCNCCO)c(=O)c2cc1OC</chem>
Target	Topoisomerase
Pathway	Cell Cycle/DNA Damage
Molecular Formula	C ₂₄ H ₂₅ ClN ₂ O ₇
CAS Number	308246-57-3
Preparation and Storage	Store at -20°C

IMAGES



Chemical Structure

ADDITIONAL INFORMATION

Related Product Information for LMP744 biochemical	LMP744 hydrochloride is a DNA intercalator and Topoisomerase I (Top1) inhibitor with antitumor activity.?(In Vitro):LMP744 (0.1-5 μM, 3 days) induces dose-dependent accumulation of cells in the S and G2 phases of the cell cycle.The GI50 value of LMP744 for NCI60 cells is 0.1 μM.?(In Vivo):LMP744 ?(10-50 mg/kg) administered i.v. push once a week for 4 weeks in nude mice moderately activates against human A253 and FaDu tumor xenografts without significant toxicity.
Product Categories/Family for LMP744 biochemical	Topoisomerase; Cell Cycle/DNA Damage

References

1.Weterings E, et al. A novel small molecule inhibitor of the DNA repair protein Ku70/80. DNA Repair (Amst). 2016 Jul;43:98-106.

NCBI AND UNIPROT INFORMATION

Molecular Weight

488.9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/biochemical/lmp744/201963>