

PRODUCT: HM-30181

ALTERNATE NAME: 4-Oxo-4H-chromene-2-carboxylic acid [2-(2-4-[2-(6,7-dimethoxy-3,4-dihydro-1H-isoquinolin-2-yl)-ethyl]-phenyl)-2H-tetrazol-5-yl)-4,5-dimethoxy-phenyl]-amide

CATALOG #: B1285-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₈H₃₆N₆O₇

MOLECULAR WEIGHT: 688.73

CAS NUMBER: 849675-66-7

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: HM-30181 is a third-generation P-glycoprotein (P-gp) inhibitor. In an *in vitro*, HM-30181 displays a high selectivity for P-gp and its potency is 20–50 times higher than that of tariquidar (Cat. No. 2853), another third-generation P-gp inhibitor.

REFERENCES: Kim, T.E., *et al.* (2014). *Br. J. Clin. Pharmacol.* **78**, 556-564.

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

RELATED PRODUCTS:

Elacridar (**Cat. No. 2792-5, 25**)

HM-30181 (**Cat. No. B1285-5,25**)

KS 176 (**Cat. No. B1272-5,25**)

MK-571 (**Cat. No. 2691-5, 25**)

MK-571, sodium salt (**Cat. No. 2692-5, 25**)

NSC-23925 (**Cat. No. 2686-5, 25**)

Tariquidar (**Cat. No. B2853-10,50**)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**