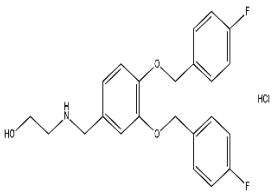
XRK3F2

ALTERNATE NAME: 2-((3,4-bis((4-fluorobenzyl)oxy)benzyl)amino)ethan-1-ol hydrochloride

CATALOG #:

B2381-5	5 mg
B2381-25	25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{23}H_{24}ClF_2NO_3$

MOLECULAR WEIGHT: 435.9

CAS NUMBER: 2375193-43-2

APPEARANCE: Crystalline solid

PURITY: ≥98%

SOLUBILITY: >5 mg/ml DMSO

DESCRIPTION: XRK3F2 is an inhibitor of the p62-ZZ domain (Sequestosome 1) that inhibits MM cell growth and BMSC growth enhancement of human MM cells. XRK3F2 induces dramatic cortical bone formation that is restricted to MM containing bones and blocks the effects and upregulation of tumor necrosis factor alpha (TNFα), an osteoblast (OB) differentiation inhibitor that is increased in the MM bone marrow microenvironment and utilizes signaling complexes formed on p62-ZZ, in BMSC.

REFERENCES:

Teramachi, J., et al. (2016). Leukemia 30, 390-398.
Adamik, J., et al. (2018). Front Endocrinol. Jun 29;9:344. doi: 10.3389/fendo.2018.00344. eCollection 2018.

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

RELATED PRODUCTS:

Calcitriol (1880)

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