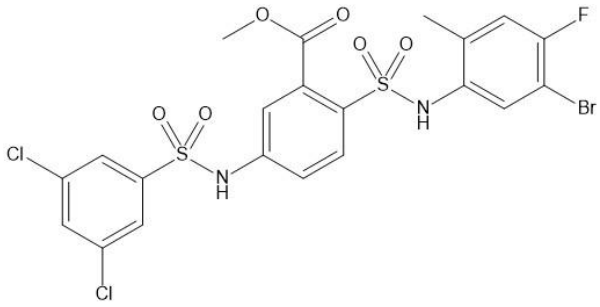
Tribioscience

MDL-800, SIRT6 allosteric activator

Catalog	Unit
TBI4415-10MG	10 mg
TBI4415-50MG	50 mg

Product Details

Formal Name: Methyl 2-(N-(5-Bromo-4-fluoro-2-methylphenyl)sulfamoyl)-5-(3,5-dichlorophenylsulfonamido)benzoate
Molecular Formula: $C_{21}H_{16}BrCl_2FN_2O_6S_2$
Formula Weight: 626.30
CAS Number: 2275619-53-7
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 10 mg/ml with warming)
Storage: -20°C
Stability: ≥ 1 year.



Applications

SIRT6 allosteric activator

Functions

Specific, allosteric activator of SIRT6 (EC50 = 10.3 µM) activity toward H3K9ac and H3K56ac. MDL-800 is ten times less potent against Sirtuins 2, 5, and 7, and is inactive against HDACs 1 through 111. At 20 µM, it induced DNA repair in iPSCs derived from aged mice, promoting genomic integrity and differentiation potential. Inhibits NSCLC cell proliferation (IC50 ~ 30 µM), and suppressed tumor growth in a HCC827 xenograft mouse model.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.

Tribioscience, Inc. | 365 San Aleso Ave, Sunnyvale, CA 94085 | Phone: 408-498-0197
info@tribioscience.com Fax: 650-618-5498 www.tribioscience.com