

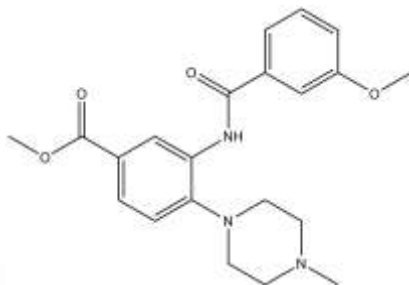
PRODUCT: WDR5 0103

ALTERNATE NAME: 3-[(3-Methoxybenzoyl)amino]-4-(4-methyl-1-piperazinyl)benzoic acid methyl ester

CATALOG #: B1125-10, 50

AMOUNT:

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₂₅N₃O₄

MOLECULAR WEIGHT: 383.44

CAS NUMBER: 890190-22-4

APPEARANCE: White solid

SOLUBILITY: DMSO (>35 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: WDR5-0103 is a small molecule that binds a peptide-binding pocket on WDR5 (K_d = 450 nM). It inhibits the catalytic activity of MLL core complex in *in vitro* experiments with IC₅₀ of 39 μM. WDR5 is a component of mixed lineage leukemia (MLL) that targets histone-3 and *in vitro* data shows interaction of WDR5-0103 with MLL inhibits MLL core complex methyltransferase activity. However WDR5-0103 has no effect on other methyltransferases.

REFERENCES: Senisterra, G., et al. (2013). *Biochem.J.* **449**, 151-159

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

RELATED PRODUCTS:

A-366 (Cat. No. 2859-1, 5)

AMI-1 (Cat. No. 1943-5, 25)

Aza-2'-deoxycytidine (Cat. No. 1754-10, 50)

5- BIX01294 (Cat. No. 1678-5, 25)

Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, 5)

BRD4770 (Cat. No.9525-5, 25)

EZSolution™ (+)-JQ1 (Cat. No. 2091-1)

3-Deazaneplanocin (Cat. No. 2060-250, 1000)

2'-Deoxy-5-fluorocytidine (Cat. No. 2387-50, 250)

EPZ-015666 (Cat. No. 9510-1,5)

Lomeguatrib (Cat. No. 2224-5, 25)

Nanaomycin A (Cat. No. 2790-5, 25)

RG108 (Cat. No. 1679-10, 30)

SGI-1027 (Cat. No. 2726-5, 25)

UNC0638 (Cat. No. 1933-1, 5)

UNC0642 (Cat. No. 2862-5, 25)

WDR5 polyclonal Antibody (6846)

Zebularine (Cat. No. 2225-1, 5)

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