

产品名称 : WRG-28

同义词 : DDR2 inhibitor WRG-28 | WRG28

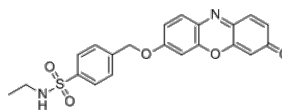
产品货号 : M12998

CAS Number : 1913291-02-7

分子式 : C₂₁H₁₈N₂O₅S

分子量 : 410.444

化学全名 : N-ethyl-4-(((3-oxo-3H-phenoxazin-7-yl)oxy)methyl)benzenesulfonamide



产品描述 : WRG-28 (DDR2 inhibitor WRG-28) is a potent, selective, allosteric inhibitor of discoidin domain receptor 2 (DDR2) with binding IC₅₀ of 230 nM; blunted collagen I-mediated DDR2 tyrosine phosphorylation, ERK activation, and SNAIL1 protein stabilization (IC₅₀=286 nM) in HEK293 cells expressing DDR2, without effect on normal mammary epithelial MCF10A cells; displays no activity against collagen I-induced tyrosine phosphorylation of the related DDR1 RTK in HEK293 cells; WRG-28 inhibits DDR2-collagen interaction in an allosteric manner, inhibits tumor invasion and migration, as well as tumor-supporting roles of the stroma, and inhibits metastatic breast tumor cell colonization in the lungs.

通路 : Tyrosine Kinase

靶点 : DDR

受体 : DDR

溶解度 : In Vitro: ?DMSO : 15.62 mg/mL (38.06 mM)

SMILES : O=S(C1=CC=C(COC2=CC(OC3=CC(C=CC3=N4)=O)=C4C=C2)C=C1)(NCC)=O

存储条件 : (-20℃)

稳定性 : ≥ 2 years

参考文献 :

1. Grither WR, et al. Proc Natl Acad Sci U S A. 2018 Jul 30. pii: 201805020.