

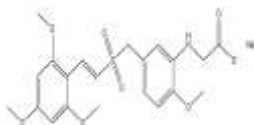
PRODUCT: Rigosertib

ALTERNATE NAME: Sodium (E)-2-((2-methoxy-5-(((2,4,6-trimethoxystyryl)sulfonyl)methyl)phenyl)amino)acetate; ON-01910

CATALOG #: 9482-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₂₄NNaO₈S

MOLECULAR WEIGHT: 473.47

CAS NUMBER: 1225497-78-8

APPEARANCE: White solid

SOLUBILITY: DMSO (>5 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Rigosertib is a potent, specific PLK1 (Polo -Like Kinase 1) inhibitor (IC₅₀ = 9 nM). Rigosertib strongly inhibits the proliferation of cancer cell lines, with observed IC₅₀ values in the nanomolar range for both HeLa (115 nM) and C33A (45 nM) cells. In contrast, Rigosertib has a minimal effect on normal cell lines, BJ and Ect1/E6E7 (IC₅₀ > 0.1 mM).

REFERENCES: Bowles, D.W., *et al.* (2014). *Clin. Cancer Res.* **20**, 1656-1665.

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

RELATED PRODUCTS:

BI-6727 (Cat. No. 2222-1,5)

BI-2536 (Cat. No. 2370-5, 25)

GSK461364 (Cat. No. 2287-5, 25)

SBE13 hydrochloride (Cat. No. 2847-10,50)

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