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: C_{21}H_{24}NNaO_{8}S

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 (IC_{50} = 9 nM). Rigosertib strongly inhibits the proliferation of cancer cell lines, with observed IC_{50} 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 (IC_{50} > 0.1 mM).


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