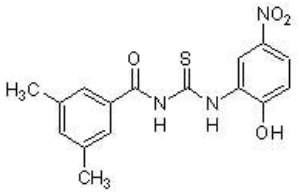
abcam

Product datasheet

3,5-dimethyl PIT-1, PIP3/protein binding inhibitor ab120884

1 Image

Overview

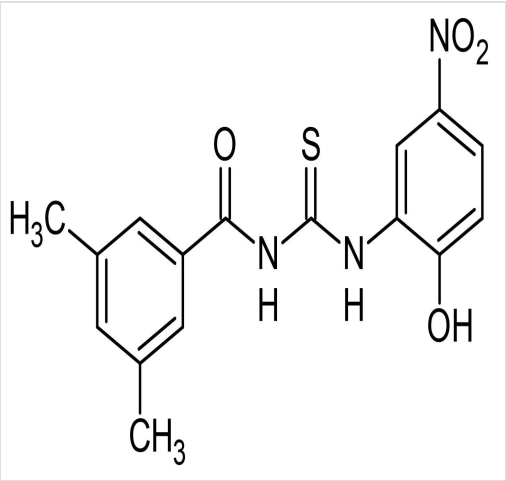
Product name	3,5-dimethyl PIT-1, PIP3/protein binding inhibitor
Description	PIP3/protein binding inhibitor
Biological description	PIP3/protein binding inhibitor. Dimethyl analog of PIT-1 (**ab120885**) that is designed for more favorable solubility *in vivo*. Specifically disrupts PIP3/Akt PH domain binding (IC_{50} = 27 µM); suppresses PI3K-PDK1-Akt-dependent phosphorylation. Reduces cell viability and induces apoptosis in PTEN-deficient U87MG glioblastoma cells (IC_{50} = 36 µM).
Purity	> 98%
CAS Number	701947-53-7
Chemical structure	

Properties

Chemical name	*N*-[[(2-Hydroxy-5-nitrophenyl)amino]thioxomethyl]-3,5-dimethylbenzamide
Molecular weight	345.37
Molecular formula	$C_{16}H_{15}N_3O_4S$
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 20 mg/ml and in ethanol to 0.2 mg/ml
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.

SMILES	O=C(NC(NC1=C(O)C=CC([N+]([O-])=O)=C1)=S)C2=CC(C)=CC(C)=C2
Source	Synthetic

Images



Chemical Structure - 3,5-dimethyl PIT-1, PIP3/protein binding inhibitor (ab120884)

2D chemical structure image of ab120884, 3,5-dimethyl PIT-1, PIP3/protein binding inhibitor

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