

Pyridostatin

Catalog No: **tcsc1439**



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1085412-37-8

Formula:

$C_{31}H_{32}N_8O_5$

Pathway:

Cell Cycle/DNA Damage

Target:

G-quadruplex

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

RR82

Observed Molecular Weight:

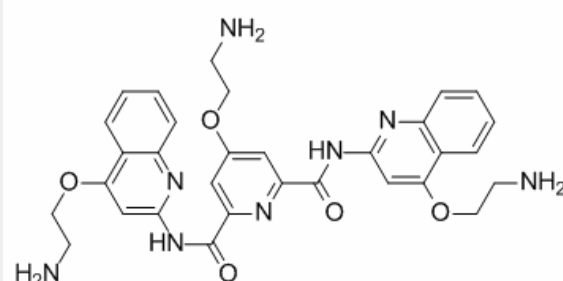
596.64

Product Description

Pyridostatin is a **G-quadruplexe** stabilizer, with a **K_d** of 490 nM.

IC50 & Target: K_d: 490 nM (G-quadruplexe)^[1]

In Vitro: Pyridostatin is a G-quadruplexe stabilizer, with a K_d of 490 nM^[1]. Pyridostatin (PDS) shows neurotoxic activity against primary cortical neurons at 0.01-5 μM, causes DNA double-strand breaks (DSBs) at 1 μM, downregulates BRCA1 in neurons at 1, 2 or 5 μM^[2]. Pyridostatin interacts with G-quadruplex motifs in SRC and alters mRNA levels of damaged genes^[3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!