



LKT Laboratories, Inc.

## Pyridostatin Trifluoroacetate Salt

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### Product Information

**Product ID** P982691

**CAS No.** 1472611-44-1

**Chemical Name** 4-(2-Aminoethoxy)-N2,N6-bis[4-(2-aminoethoxy)-2-quinolinyl]-2,6-pyridinedicarboxamide trifluoroacetate salt

**Synonym** Pyridostatin TFA salt, CCG-270392, Ethyl 4-(4-biphenyl)-2,7,7-trimethyl-5-oxo-1,4,5,6,7,8-hexahydro-3-quinolinecarboxylate

**Formula** C<sub>33</sub>H<sub>33</sub>F<sub>3</sub>N<sub>8</sub>O<sub>7</sub>

**Formula Wt.** 710.67

**Melting Point**

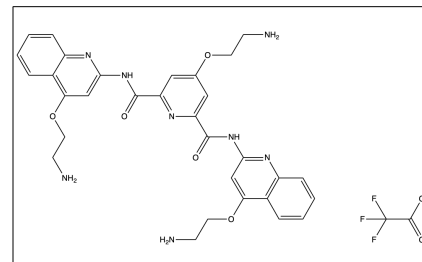
**Purity** ≥95%

**Solubility**

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Pyridostatin is a G-quadruplex ligand that induces conformation changes in telomere-G-quadruplex complexes and stimulates double-stranded DNA breakage; it also alters telomere function. Pyridostatin displays antiviral and anticancer activities. In vitro, this compound decreases synthesis of Epstein-Barr virus-encoded nuclear antigen 1. In cancer cells, pyridostatin suppresses cellular viability and growth.



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size
P982691	5 mg
P982691	10 mg
P982691	25 mg

**References** Marchand A, Granzhan A, Iida K, et al. Ligand-Induced Conformational Changes with Cation Ejection upon Binding to Human Telomeric DNA G-Quadruplexes. *J Am Chem Soc.* 2015 Jan 21;137(2):750-6. PMID: 25525863.

Murat P, Zhong J, Lekieffre L, et al. G-quadruplexes regulate Epstein-Barr virus-encoded nuclear antigen 1 mRNA translation. *Nat Chem Biol.* 2014 May;10(5):358-64. PMID: 24633353.

McLuckie KI, Di Antonio M, Zecchini H, et al. G-quadruplex DNA as a molecular target for induced synthetic lethality in cancer cells. *J Am Chem Soc.* 2013 Jul 3;135(26):9640-3. PMID: 23782415.

Müller S, Sanders DA, Di Antonio M, et al. Pyridostatin analogues promote telomere dysfunction and long-term growth inhibition in human cancer cells. *Org Biomol Chem.* 2012 Aug 28;10(32):6537-46. PMID: 22790277.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.