

Imetelstat

Chemical Properties

CAS No. : 868169-64-6

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Imetelstat is a 13-mer oligonucleotide that binds with high affinity to the template region of the RNA component of human telomerase, acting as a competitive inhibitor of telomerase enzymatic activity, and is extensively used in cancer and aging research to investigate telomere maintenance, cellular immortality, and telomerase-targeted therapeutic strategies.
Targets(IC50)	Telomerase

Reference

Benson MD, et al. Inotersen Treatment for Patients with Hereditary Transthyretin Amyloidosis. N Engl J Med. 2018; 379(1):22-31.

Mathew V, Wang AK. Inotersen: new promise for the treatment of hereditary transthyretin amyloidosis. Drug Des Devel Ther. 2019;13:1515-1525. Published 2019 May 6.

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