



Certificate of analysis

Product name: Birinapant

Cas number: 1260251-31-7

Molecular Formula: $C_{42}H_{56}F_2N_8O_6$

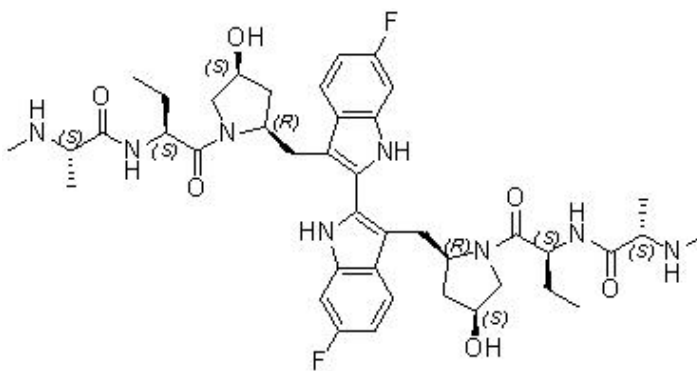
Molecular Weight: 806.94

Date of production: Feb. 11, 2020

Batch No: 20200211

Exp Date: Feb. 10, 2022

Chemical structure:



Items	Specifications	Results
Characteristics	white to light yellow powder	Conforms
Identification	NMR, HPLC	Conforms
Total impurities	$\leq 2.0\%$	1.0%
Purity (HPLC)	$\geq 98.0\%$	99.0%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F