



## Certificate of Analysis

Product Name	Laduviglusib (CHIR-99021; dihydrochloride)
Catalog No.	V2247
Batch No.	V224701

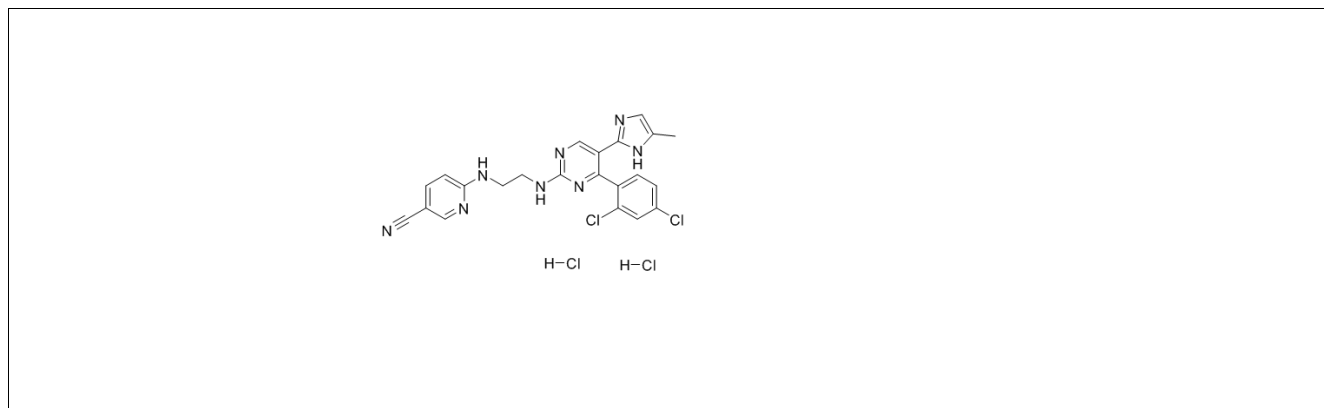
### 1. Physical and Chemical Properties

Appearance	Powder
Molecular Formula	C <sub>22</sub> H <sub>19</sub> Cl <sub>3</sub> N <sub>8</sub>
Molecular Weight	501.80
Purity	≥98%
CAS No.	2109414-84-6
Production Date	02/16/2023

### 2. Analytical Data

HPLC	Indicates ≥98% purity
NMR	Consistent with structure
Mass Spectrum	Consistent with structure

### 3. Structure



### 4. Storage Condition

Short term storage (weeks)	0 - 4 °C under dry condition for six weeks
Long term storage (months)	-20 °C under dry condition for two years

Products are for research use only • Not for human or veterinary use