

Product Name	: Synucleozid hydrochloride
Synonyms	: —
Cat No.	: M33133
CAS Number	: 2741856-68-6
Molecular Formula	: C ₂₂ H ₂₁ ClN ₆
Formula Weight	: 404.9
Chemical Name	: —
Description	Synucleozid hydrochloride (NSC 377363 hydrochloride) is a potent inhibitor of the α -synuclein mRNA that encodes α -synuclein protein. Synucleozid selectively targets the α -synuclein mRNA 5' UTR at the designed IRE site, decreases the amount of α -synuclein mRNA loaded into polysomes and thereby inhibits α -synuclein translation. Synucleozid has the potential for the investigation of Parkinson's disease.
Pathway	: Cell Cycle/DNA Damage
Target	: DNA/RNA Synthesis
Receptor	: DNA/RNA Synthesis
Solubility	: In Vitro: DMSO : 125 mg/mL (308.72 mM; Ultrasonic)H ₂ O : 2 mg/mL (4.94 mM; Ultrasonic)
SMILES	: Cl.N=C(N)C1=CC=C(C=C1)NC=CC(=CC2)C3=CC4=CC=C(C=C4N3)C(=N)N
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Zhang P, et al. Translation of the intrinsically disordered protein α -synuclein is inhibited by a small molecule targeting its structured mRNA. Proc Natl Acad Sci U S A. 2020 Jan 21;117(3):1457-1467.