

Product Name	: Nicotinamide riboside chloride
Synonyms	: —
Cat No.	: M20564
CAS Number	: 23111-00-4
Molecular Formula	: C ₁₁ H ₁₅ ClN ₂ O ₅
Formula Weight	: 290.7
Chemical Name	: —
Description	: Nicotinamide riboside chloride also known as NR and SRT647 is a pyridine-nucleoside form of vitamin B3 that functions as a precursor to nicotinamide adenine dinucleotide or NAD ⁺ .
Pathway	: Chromatin/Epigenetic
Target	: Sirtuin
Receptor	: SIRT1/3
Solubility	: H ₂ O: 125 mg/mL (430.00 mM; Need ultrasonic); DMSO: 50 mg/mL (172.00 mM; Need ultrasonic)
SMILES	: <chem>[Cl-].NC(=O)c1ccc[n+](c1)[C@@H]1O[C@H](CO)[C@@H](O)[C@H]1O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Cantó C, Houtkooper RH, Pirinen E et al. The NAD(+) precursor nicotinamide riboside enhances oxidative metabolism and protects against high-fat diet-induced obesity [J]. Cell Metab. 2012 Jun 6; 15(6):838-47.?