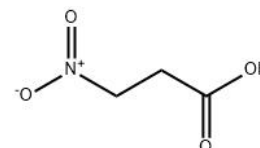


Technical Data Sheet

3-Nitropropionic acid

Compound Information

Product Name:	3-Nitropropionic acid
CAS No.:	504-88-1
Molecular Formula:	C ₃ H ₅ NO ₄
Molecular Weight:	119.08
Storage:	Powder -20°C 3 years; 4°C 2 years In solvent -80°C 6 months; -20°C 1 month
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Description	3-Nitropropionic acid is a irreversible mitochondrial respiratory complex II inhibitor.
Form	powder or crystals
Color	white to light yellow
Solubility	alcohol: 100 mg/mL, may be light yellow
Purity	>98%
Melting Point	62 °C - 67 °C
MS	Pass test
1H NMR	Pass test
IR	Pass test
Raman	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with anyother materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of thedate indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability orcompleteness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user'sresponsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.