

N-Ethylmaleimide (NEM)

Biotechnology Grade

Technical literature is available at: www.mesgenbio.com. E-mail MesGen Technical Services if you have questions on use of this system: tech@mesgenbio.com

MESGEN
INNOVATION BIOTECHNOLOGY

Catalog Number : MG4880

Size : 5g

CAS : 128-53-0

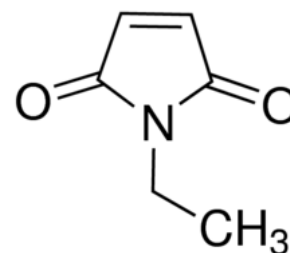
MDL : MFCD00005509

Molecular Formula : C₆H₇NO₂

Molecular Weight : 125.12

Melting point : 43-46 °C

Crystalline, ≥ 98% (HPLC)



Description

Reagent for the covalent modification of cysteine residues in proteins. Augments currents from native M-channels in sympathetic neurons and acts as an opener for KCNQ2, KCNQ4 and KCNQ5 channels. Sulfhydryl alkylating agent that inactivates NADP-dependent isocitrate dehydrogenase and many endonucleases.

Preparation Note

NEM gives a clear solution in ethanol at 50 mg/ml. NEM dissolves in water (>50 mg in 4 ml); however, aqueous solutions are unstable. The rate of hydrolysis is pseudo-first order and significantly dependent on pH.

Storage Condition

2-8°C, protect from light

For Research Use Only. Not For Use In Diagnostic Procedures.