

Product Name : 1-Methylguanidine hydrochloride**Synonyms** : —**Cat No.** : M19576**CAS Number** : 21770-81-0**Molecular Formula** : C₂H₈CIN₃**Formula Weight** : 109.56**Chemical Name** : —

Description : Methylguanidine (MG) is a guanidine compound deriving from protein catabolism. It is also a product of putrefaction. Methylguanidine is a suspected uraemic toxin that accumulates in renal failure however it also exhibits anti-inflammatory effects. Methylguanidine is synthesized from creatinine concomitant with the synthesis of hydrogen peroxide from endogenous substrates in peroxisomes. Recent evidence suggests that methylguanidine significantly inhibits iNOS activity and TNF- release. This means that methylguanidine can attenuate the degree of inflammation and tissue damage associated with endotoxic shock.

Pathway : Others**Target** : Other Targets**Receptor** : Others**Solubility** : DMSO:200 mM**SMILES** : Cl.CNC(N)=N**Storage** : (-20°C)**Stability** : ≥ 2 years**Reference** :

1.Silwood CJ Lynch E Claxson AW Grootveld MC: 1H and (13)C NMR spectroscopic analysis of human saliva. J Dent Res. 2002 Jun;81(6):422-7.