

Product Name	: 3-Nitro-L-tyrosine
Synonyms	: 3-Nitrotyrosine
Cat No.	: M19724
CAS Number	: 621-44-3
Molecular Formula	: C ₉ H ₁₀ N ₂ O ₅
Formula Weight	: 226.19
Chemical Name	: —
Description	: 3-Nitrotyrosine is the major product from the spontaneous reaction of peroxynitrite with tyrosine. Formation of nitrotyrosine can indicate the formation of peroxynitrite by a nitric oxide (NO)-dependent oxidative damage.
Pathway	: Proteasome/Ubiquitin
Target	: Endogenous Metabolite
Receptor	: Human Endogenous Metabolite
Solubility	: DMSO: 10 mM; Water: Soluble
SMILES	: <chem>N[C@@H](Cc1ccc(O)c(c1)[N+](=O)[O-])C(=O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Montoliu C et al. 3-nitro-tyrosine as a peripheral biomarker of minimal hepatic encephalopathy in patients with liver cirrhosis. Am J Gastroenterol. 2011 Sep;106(9):1629-37.