

Product Data Sheet

Product Name: H-Tyr(3-NO₂)-OH

Cat. No.: GA10943

Chemical Properties

Cas. No. 621-44-3

Chemical Name (2S)-2-azaniumyl-3-(3-nitro-4-oxidophenyl)propanoate

SMILES C1=CC(=C(C=C1CC(C(=O)O)N)[N+](=O)[O-])O

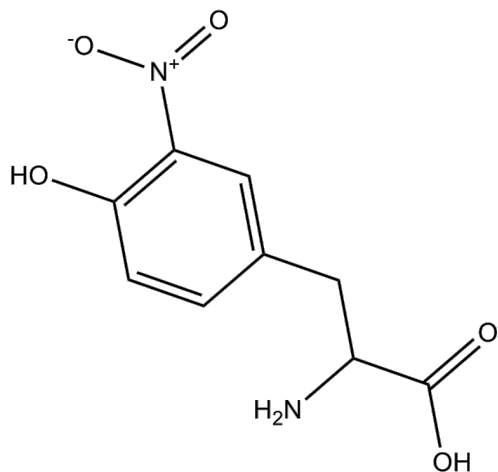
Formula C₉H₁₀N₂O₅ M.Wt 226.3

Solubility 5 mg/mL in Water (ultrasonic and warming and adjust pH to 2 with HCl and heat to 60°C) Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

3-Nitro-L-tyrosine is a biomarker of nitrogen free radical species modified proteins in systemic autoimmunogenic conditions.

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

[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.

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