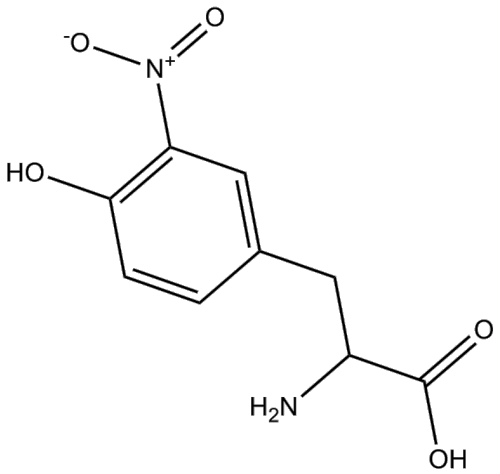
Product Data Sheet

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	$C_9H_{10}N_2O_5$	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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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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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