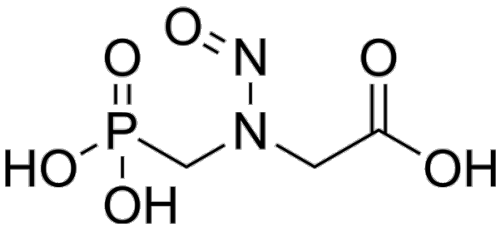
Product Data Sheet

Product Name: N-Nitrosoglyphosate
Cat. No.: GC79595

Chemical Properties

Cas. No.	56516-72-4		
Formula	$C_3H_7N_2O_6P$	M.Wt	198.07
Solubility		Storage	Store at -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

N-Nitrosoglyphosate is the nitrosamine degradation product of glyphosate herbicidee.

References:

[1]. Allam KSM, Magdy M, El-Aal AMA, et al. Molecular docking and differential rbcl gene expression reveal variation in glyphosate herbicide tolerance of sugarcane varieties. Mol Biol Rep. 2025;52(1):168.
[2]. Khan, Shahamat U.; Marriage, Paul B. N-Nitrosamine Formation in Soil from the Herbicide

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Glyphosate and its Uptake by Plants. Journal of Agricultural and Food Chemistry (1979), 27(6), 1398-1400.
[3]. Khan SU, Young JC. N-nitrosamine formation in soil from the herbicide glyphosate. J Agric Food Chem. 1977;25(6):1430-1432.