

## 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

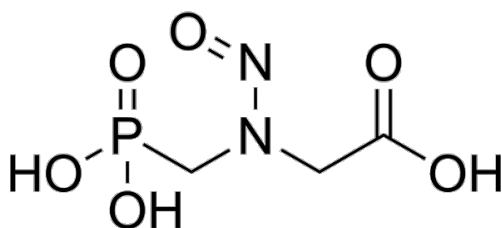
Solubility

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 herbicides.

#### 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

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

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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.

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