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Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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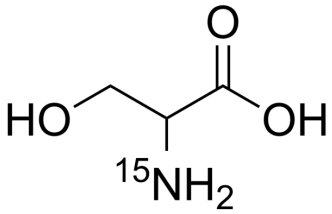
DL-Serine-^{15}N

Cat. No.:	HY-W718796
CAS No.:	31948-88-6
Molecular Formula:	$C_3H_7{}^{15}NO_3$
Molecular Weight:	106.09
Target:	Isotope-Labeled Compounds; TMV
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DL-Serine-^{15}N is ^{15}N-labeled DL-Serine (HY-Y0507) DL-Serine, a fundamental metabolite, is a mixture of D-Serine and L-Serine. DL-Serine has antiviral activity against the multiplication of tobacco mosaic virus (TMV).
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

[2]. VARMA, J. P., et al. Effect of Alanine, Serine and Glutamic Acid on the Multiplication of Tobacco Mosaic Virus in Tobacco. Journal of Phytopathology. 1967, 58(1), 53-58.

[3]. Hiasa Y, et al. DL-Serine: promoting activity on renal tumorigenesis by N-ethyl-N-hydroxyethylnitrosamine in rats. J Natl Cancer Inst. 1984 Jul;73(1):297-9.

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