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Produktinformation



Forschungsprodukte & Biochemikalien



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Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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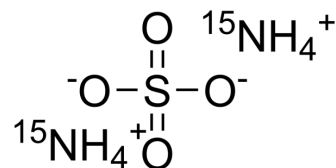
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Ammonium sulphate, ≥99.0%, AR-N152

Cat. No.:	HY-Y0261AS1
CAS No.:	43086-58-4
Molecular Formula:	H ₈ ¹⁵ N ₂ O ₄ S
Molecular Weight:	134.13
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (745.55 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.4555 mL	37.2773 mL	74.5545 mL
	5 mM	1.4911 mL	7.4555 mL	14.9109 mL
	10 mM	0.7455 mL	3.7277 mL	7.4555 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Ammonium sulphate, ≥99.0%, AR-¹⁵N₂ is the deuterium labeled Ammonium sulphate, ≥99.0%, AR[1]. Ammonium sulphate, ≥99.0%, AR is an inorganic sulfate salt used for molecular biology[2].

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 Feb;53(2):211-216.
- [2]. DIXON M. A nomogram for ammonium sulphate solutions. *Biochem J*. 1953 Jun;54(3):457-8.

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

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