



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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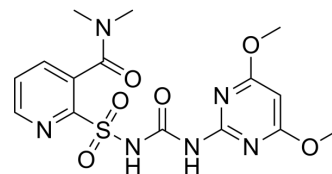
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Nicosulfuron (Standard)

| | |
|--------------------|---|
| Cat. No.: | HY-B1876R |
| CAS No.: | 111991-09-4 |
| Molecular Formula: | C ₁₅ H ₁₈ N ₆ O ₆ S |
| Molecular Weight: | 410.41 |
| Target: | Acetolactate Synthase (ALS) |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (81.21 mM; Need ultrasonic)

| Solvent | Mass | Concentration | | |
|---------------------------|-------|---------------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.4366 mL | 12.1829 mL | 24.3659 mL |
| | 5 mM | 0.4873 mL | 2.4366 mL | 4.8732 mL |
| | 10 mM | 0.2437 mL | 1.2183 mL | 2.4366 mL |

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

BIOLOGICAL ACTIVITY

Description

Nicosulfuron (Standard) is the analytical standard of Nicosulfuron. This product is intended for research and analytical applications. Nicosulfuron is a selective herbicide belonging to the sulfonylurea family. Nicosulfuron is commonly used as a post-emergence herbicide to protect maize crops from weeds. Nicosulfuron inhibits acetolactate synthase (ALS) enzyme activity^[1].

REFERENCES

[1]. Louis Carles, et al. Nicosulfuron Degradation by an Ascomycete Fungus Isolated From Submerged Alnus Leaf Litter. *Front Microbiol.* 2018 Dec 19;9:3167.

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

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