



# 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

### SZABO-SCANDIC HandelsgmbH

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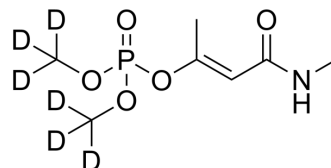
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## Monocrotophos-d<sub>6</sub>

|                           |                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------|
| <b>Cat. No.:</b>          | HY-132409S                                                                                |
| <b>CAS No.:</b>           | 1795136-77-4                                                                              |
| <b>Molecular Formula:</b> | C <sub>7</sub> H <sub>8</sub> D <sub>6</sub> NO <sub>5</sub> P                            |
| <b>Molecular Weight:</b>  | 229.2                                                                                     |
| <b>Target:</b>            | Cholinesterase (ChE); Isotope-Labeled Compounds                                           |
| <b>Pathway:</b>           | Neuronal Signaling; Others                                                                |
| <b>Storage:</b>           | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

|                    |                                                                                                                                                                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | Monocrotophos-d <sub>6</sub> is the deuterium labeled Monocrotophos. Monocrotophos. Monocrotophos is an organophosphate insecticide with broad application in crops. Monocrotophos inhibits the activity of the acetylcholine esterase (AChE) enzyme and affects the neurotransmission between neurons[1]. |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## REFERENCES

[1]. Simranjeet Singh, et al. Toxicity and detoxification of monocrotophos from ecosystem using different approaches: A review. Chemosphere. 2021 Jul;275:130051.

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

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