



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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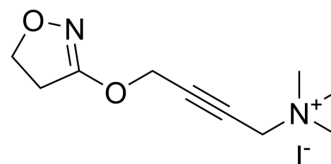
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Iperoxo

Cat. No.:	HY-122743		
CAS No.:	247079-84-1		
Molecular Formula:	C ₁₀ H ₁₇ IN ₂ O ₂		
Molecular Weight:	324.16		
Target:	mAChR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (192.81 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.0849 mL	15.4245 mL	30.8490 mL
	5 mM		0.6170 mL	3.0849 mL	6.1698 mL
	10 mM		0.3085 mL	1.5424 mL	3.0849 mL

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

BIOLOGICAL ACTIVITY

Description

Iperoxo is a potent superagonist of muscarinic acetylcholine receptor (mAChR). [³H]Iperoxo can be used for direct probing activation-related conformational transitions of muscarinic receptors^{[1][2]}. Iperoxo is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

CUSTOMER VALIDATION

- Int J Mol Sci. 2023 Apr 16, 24(8), 7356.

See more customer validations on www.MedChemExpress.com

REFERENCES

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- [1]. Schrage R, et, al. Agonists with supraphysiological efficacy at the muscarinic M2 ACh receptor. Br J Pharmacol. 2013 May;169(2):357-70.
- [2]. Schrage R, et, al. New insight into active muscarinic receptors with the novel radioagonist [³H]iperexo. Biochem Pharmacol. 2014 Aug 1;90(3):307-19.
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Caution: Product has not been fully validated for medical applications. For research use only.

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