



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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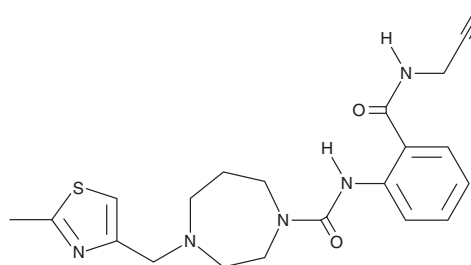
# PRODUCT INFORMATION



## MTDB-Alkyne

Item No. 38926

**CAS Registry No.:** 2923694-73-7  
**Formal Name:** hexahydro-4-[(2-methyl-4-thiazolyl)methyl]-N-[2-[(2-propyn-1-ylamino)carbonyl]phenyl]-1H-1,4-diazepine-1-carboxamide  
**Synonyms:** Click Tag™ MTDB-Alkyne, MTDB-Alk  
**MF:** C<sub>21</sub>H<sub>25</sub>N<sub>5</sub>O<sub>2</sub>S  
**FW:** 411.5  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 220, 252 nm  
**Supplied as:** A solution in ethanol  
**Storage:** -20°C  
**Stability:** ≥3 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Description

MTDB-alkyne is a clickable RNA pseudoknot binder.<sup>1</sup> It is composed of the β-coronavirus pseudoknot ligand MTDB that has been functionalized with a clickable alkyne group. MTDB-alkyne has been used in the synthesis of proximity-induced nucleic acid degrader (PINAD) molecules for the degradation of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) RNA.

### Reference

1. Mikutis, S., Rebelo, M., Yankova, E., *et al.* Proximity-induced nucleic acid degrader (PINAD) approach to targeted RNA degradation using small molecules. *ACS Cent. Sci.* **9**(5), 892-904 (2023).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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