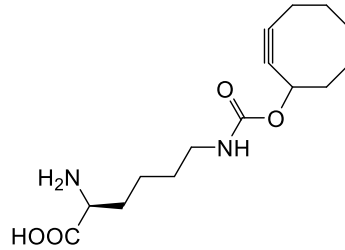


Click Amino Acid / Cyclooctyne – Lysine (SCO)

L-Lysine, N6-[[2-(2-cyclooctyn-1-yloxy)ethoxy]carbonyl]-

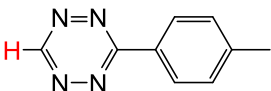
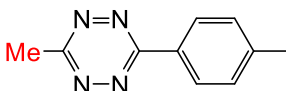


CAS-#: 1309581-49-4	Amount: 500 mg
Product-#: SC-8000	Batch-#: SC-8000-010_P-032_1-VI.11
Formula: C ₁₅ H ₂₄ N ₂ O ₄	MW: 296,37

Specifications	
Appearance	off-white powder
Identity determined by ¹ H-NMR, 600 MHz, (DMSO-d6) ESI-MS	confirms ✓
Purity:	≥ 97 % (HPLC-RI)
Solubility	Stock solution: 100 mM in 0.2M NaOH, 15% DMSO Freshly before adding to cells: 1:4 dilution in 1M HEPES. Use this dilution immediately, and do not store! To speed up the process of dissolving, measures such as ultrasound, vortexing, overhead shaking, warming to 37°C can be applied.

Description and Publications

Artificial Amino Acid for copper-free Click Chemistry. Works well with H-Tetrazines and Azides.

type of probe	Azides	H-Tetrazines	Me-Tetrazines
	$\ominus \oplus$ N=N=N—		
works with	✓	✓	✗
reaction speed	slow →	fast →	

- ❶ T. Plass, S. Milles, C. Koehler, C. Schultz, E. A. Lemke, *Angew. Chem., Int. Ed. Engl.* 2011, 50, 3878–3881
- ❷ T. Plass, S. Milles, C. Koehler, J. Szymański, R. Mueller, C. Schultz, E. A. Lemke, M., *Angew. Chem., Int. Ed. Engl.* 2012, 51, 4166–4170
- ❸ I. Nikic et. al. *Angew. Chem., Int. Ed. Engl.* 2014, 53 (8), 2245-2249
- ❹ Sakin et al.: *Cell Chemical Biology* 24, 635–645, May 18, 2017
doi.org/10.1016/j.chembiol.2017.04.007

Handling

To be handled by trained laboratory workers.

Prolonged Storage

Keep cool and dry. Protect from light and moisture. Store at - 20°C on arrival.

Toxicity & Safety

Avoid skin contact or ingestion and allow only trained personnel to handle the product. Our products are designed, developed and sold for research purpose only. They are intended for in vitro and nonhuman in vitro laboratory application. Any other use requires approval of health authorities.

Country of Origin

Germany

Not for drug use