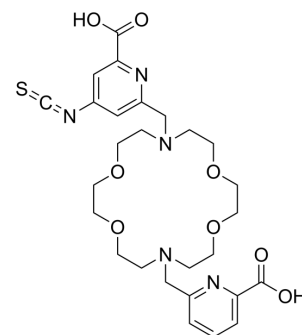


Macropa-NCS

Cat. No.:	HY-111605
CAS No.:	2146095-31-8
Molecular Formula:	C ₂₇ H ₃₅ N ₅ O ₈ S
Molecular Weight:	589.66
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Macropa-NCS can be coupled with antibodies to form tumor-selective carrier molecules, which can be further combined with radionuclides as specific targeting cancer cell carriers, and is a linker-chelating agent in targeted alpha research (TAT) [1].
In Vitro	A stock solution containing 4.4 mg/mL of macropa-NCS was prepared in 0.1 M pH 9.1 NaHCO ₃ buffer containing 0.154 M NaCl and was stored at -80 °C. To a portion of Tmab in saline (74 µL) were added macropa-NCS (52 µL) and NaHCO ₃ buffer (266 µL), so that the final concentrations of Tmab and macropa-NCS were 5.1 mg/mL and 0.59 mg/mL, respectively. Macropa-NCS was estimated to be in 16-fold molar excess to Tmab based on a molecular weight of 1045.76 g/mol for macropa-NCS (tetra-TFA salt) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Thiele NA, et al. An Eighteen-Membered Macrocyclic Ligand for Actinium-225 Targeted Alpha Therapy. *Angew Chem Int Ed Engl.* 2017 Nov 13;56(46):14712-14717.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA