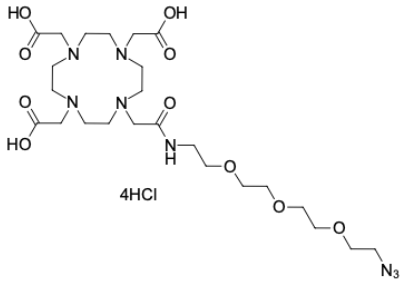
Lumiprobe Corporation
115 Airport Dr Suite 160
Westminster, Maryland 21157
USA
Phone: +1 888 973 6353
Fax: +1 888 973 6354
Email: order@lumiprobe.com

DOTA-PEG4-azide hydrochloride

http://www.lumiprobe.com/p/dota-peg4-azide-hydrochloride

DOTA (dodecane tetraacetic acid, also known as tetraxetan) is a complexing agent, especially for lanthanide ions. DOTA-PEG4-azide is a bifunctional linker containing chelating and azide groups for conjugation with alkyne-containing biomolecules. The structure of the reagent features a long hydrophilic PEG4 linker that separates the DOTA residue from the target molecule. The linker also enhances aqueous solubility to facilitate conjugation.

DOTA-PEG4-azide can be used to label radiotherapeutic agents or imaging probes and detect labeled tumors with PET, SPECT, and CT methods.



Structure of DOTA-PEG4-azide hydrochloride

General properties

Appearance:	white powder
Molecular weight:	750.51
Molecular formula:	$C_{24}H_{48}Cl_4N_8O_{10}$
Solubility:	good in water, DMSO, methanol
Quality control:	NMR ^1H and HPLC-MS (95+%)
Storage conditions:	24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes.