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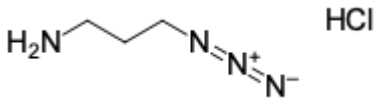
3-Azidopropylamine hydrochloride

http://www.lumiprobe.com/p/3-azidopropylamine-hydrochloride-70017-54-8

Azidopropylamine is a water-soluble, short bifunctional crosslinker with azide and amine groups. The primary amine group possesses high reactivity towards activated ester derivatives (NHS, etc.). The azide group can be coupled with alkynes via copper-catalyzed click reaction (CuAAC). Both reactions are orthogonal and can be carried out independently.

Azidopropylamine is used to introduce an azide fragment into molecules containing carboxyl groups by activating them with carbodiimide and their further interaction with the amine group of azidopropylamine. Azidopropylamine can also be used in peptide synthesis to modify peptides with activated HBTU and HOBt carboxyl groups.

This product is a solid, chemically stable hydrochloride form of azidopropylamine. It is ideal as an azidopropylamine bulk for applications when a large amount of reagent is needed.



Structure of 3-Azidopropylamine hydrochloride

General properties

Appearance:	white crystals
Molecular weight:	136.59
CAS number:	70017-54-8
Molecular formula:	$C_3H_9ClN_4$
IUPAC name:	3-azidopropan-1-amine hydrochloride
Solubility:	soluble in water, DMSO, DMF, DCM, THF, chloroform
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.