

Azide-PEG3-iodide

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Azide-PEG3-iodide contains a highly reactive iodide functional group that can alkylate a variety of C-, O-, N-, S-centered, and other nucleophiles.

Organic iodides are roughly an order of magnitude more active than bromides and four orders of magnitude more active than chlorides in S_N2 reactions. This means that the same alkylation will take 10x less time with iodide than with bromide. Therefore, this molecule helps to effect very fast alkylation.

PEG3 is a moderately long hydrophilic linker. The azide group participates in click chemistry reactions. It is also easily reduced to an amine group.

外观:

分子量: 285.08

CAS 编号: 1309457-01-9

分子式: C₆H₁₂N₃IO₂

IUPAC 名称: 1-(2-azidoethoxy)-2-(2-iodoethoxy)ethane

溶解度:

质量控制:

储存条件:

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