

## Product Data Sheet

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Product Name: Bromo-PEG7-alcohol

Cat. No.: GC67334

### Chemical Properties

Cas. No. 86220-35-1

Formula  $C_{14}H_{29}BrO_7$

M.Wt 389.28

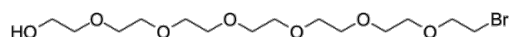
Solubility

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



### Background

Bromo-PEG7-alcohol is a polyethylene glycol (PEG) linker consisting of a bromine group and a terminal hydroxyl group. The PEG linker escalates hydrophilicity. The bromide (Br) can serve as a leaving group in nucleophilic substitution reactions (e.g., amino, mercapto). The terminal hydroxyl group can serve as a site for further derivatization reactions, transforming into reactive functional groups such as azide, alkynyl, and reactive esters. Bromo-PEG7-alcohol is used to synthesize PROTACs, coupling molecules, probes, or other compounds with PEG spacer arms<sup>[1]</sup>.

References:

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

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[1] An S, Fu L. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018;36:553-562.

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