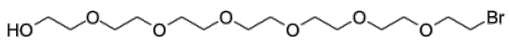
# Product Data Sheet

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[1].

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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