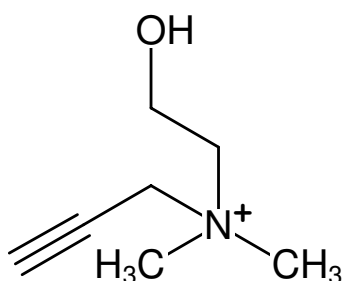




## Propargyl-choline

Bromo salt

Cat. No.	Amount
CLK-066	1 mg



Structural formula of Propargyl-choline

### For general laboratory use.

**Shipping:** shipped on gel packs

**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

**Shelf Life:** 24 months after date of delivery

**Molecular Formula:** C<sub>7</sub>H<sub>14</sub>NO (cation)

**Molecular Weight:** 128.19 g/mol (cation)

**Purity:** H NMR conforms to structure

**Form:** solid or clear oil

**Color:** white to off-white

**Solubility:** water, 1x PBS buffer

### Applications:

Choline-containing phospholipid synthesis monitoring in cell culture and whole organisms<sup>[1-4]</sup>

### Related Products:

Copper (II)-Sulphate (CuSO<sub>4</sub>), #CLK-MI004

Tris(3-hydroxypropyltriazolylmethyl)amine (THPTA), #CLK-1010

Sodium Ascorbate (Na-Ascorbate), #CLK-MI005

1-Azidoethyl-choline, #CLK-065

### Selected References:

- [1] Jao *et al.* (2009) Metabolic Labeling and direct imaging of choline phospholipids in vivo. *PNAS* **106** (36):15332.
  - [2] Jao *et al.* (2015) Biosynthetic Labeling and Two-Color Imaging of Phospholipids in Cells. *Chem. Bio. Chem.* **16**:472.
  - [3] Caishun *et al.* (2014) Practical Labeling Methodology for Choline-derived Lipids and Applications in Live Cell Fluorescence Imaging. *Photochemistry and Photobiology* **90**:686.
  - [4] Zhao *et al.* (2016) Surface labeling of enveloped virus with polymeric imidazole-capped quantum dots via the metabolic incorporation of phospholipids into host cells. *J. Mater. Chem. B* **4**:2421.
- Di Guilmi *et al.* (2017) Specific and spatial labeling of choline-containing teichoic acids in *Streptococcus pneumoniae* by click chemistry *Chem. Commun.* 10.1039/c7cc05646j.