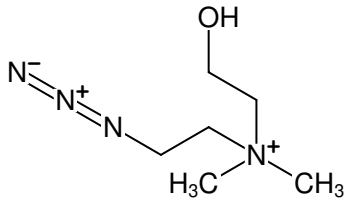
DATA SHEET

Jena Bioscience

1-Azidoethyl-choline

Iodo salt

Cat. No.	Amount
CLK-065	1 mg



Structural formula of 1-Azidoethyl-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: $C_6H_{15}N_4O$ (cation)

Molecular Weight: 159.21 g/mol (cation)

Exact Mass: 159.12 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[1-4]

Related Products:
Copper (II)-Sulphate ($CuSO_4$), #CLK-MI004
Tris(3-hydroxypropyltriazolylmethyl)amine (THPTA), #CLK-1010
Sodium Ascorbate (Na-Ascorbate), #CLK-MI005
Propargyl-choline, #CLK-066

Selected References:
[1] Jao *et al.* (2015) Biosynthetic Labeling and Two-Color Imaging of Phospholipids in Cells. *Chem. Bio. Chem.* **16**:472.
[2] Caishun *et al.* (2014) Practical Labeling Methodology for Choline-derived Lipids and Applications in Live Cell Fluorescence Imaging. *Photochemistry and Photobiology* **90**:686.
[3] Huang *et al.* (2013) Enveloped Virus Labeling via Both Intrinsic Biosynthesis and Metabolic Incorporation of Phospholipids in Host Cells. *Anal. Chem.* **85**:5236.
[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.