**Data Sheet** (30.05.2014)

# CuBr

## Copper(I)-Bromide

*Click Chemistry*

| Cat.-No. | Amount |
|---|---|
| mi-C1101S | 5 mg |
| mi-C1101M | 10 x 5 mg |

Only for *in vitro* use!
For research only!

**CAS number:** 7787-70-4

**Molecular formula:** CuBr

**Molecular weight:** 143.45 g/ mol

**Purity: >**99.999 % (trace metal basis)

**Appearance**: powder

**Melting point:** 504 °C

**Storage conditions:** store at ambient temperature, store dry and under inert gas

**Shelf life:** 3 months

**Description**

The Click reaction is a copper(I)-catalyzed azide-alkyne cycloaddition that permits DNA labeling with very high efficiency. The complete “click solution” has to contain CuBr (mi-C1101), TBTA-Ligand (mi-C1102) and DMSO/t-Butanol (mi-C1103) to drive the labeling of alkyne-modified oligos or alkyne-modified PCR products with the desired fluorescent or non-fluorescent azides (mi-C100X). Custom synthesized oligos which are already alkyne-modified can be ordered from metabion and alkyne-modified DNA can be generated by PCR using alkyne-containing nucleotides (mi-N300X).