

Data Sheet (30.05.2014)

TBTA-Ligand

Tris[(1-benzyl-1H-1,2,3-triazol-4-yl)methyl]amine

Click Chemistry

Cat.-No.	Amount
mi-C1102S	5 mg
mi-C1102M	10 mg

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

Molecular formula: C₃₀H₃₀N₁₀

Molecular weight: 530.63 g/ mol

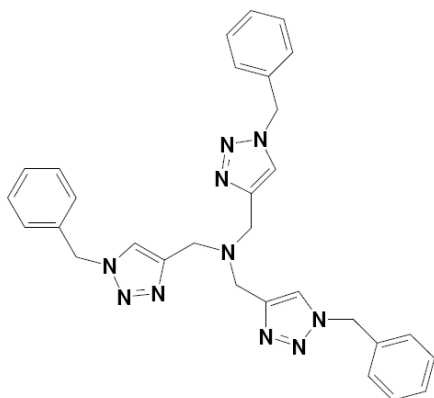
Purity: >97 %

Melting point: 132-143 °C

Appearance: white to tan powder

Storage conditions: store at -20 °C

Structure



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).

Reference

Org. Lett. **2004**, *6*, 2853-2855. *Chem. Commun.* **2008**, 2459-2461.