Azidobutyric acid NHS ester

Convert your proteins and peptides into Click Chemistry reactive form with this reagent.

While Click Chemistry involves reaction between terminal alkyne and azide, both azides and alkynes are very uncommon in nature. However, there are reagents to attach these fragments to abundant amino groups which are ubiquitous in the world of biomolecules. This azido-NHS ester is designed for the conversion of proteins, peptides, amino-DNA, and other amines into Click Chemistry reactive azides.

![Structure of azidobutyric acid NHS ester]

**General properties**

**Appearance:** colorless solid

**Mass spec M+ increment:** 111.0

**Molecular weight:** 226.19

**CAS number:** 943858-70-6

**Molecular formula:** C₈H₁₀N₄O₄

**IUPAC name:** Butanoic acid, 4-azido-, 2,5-dioxo-1-pyrrolidinyl ester

**Solubility:** soluble in organic solvents (DMF, DMSO)

**Quality control:** NMR ¹H (95%), HPLC

**Storage conditions:** Storage: 12 months after receival at -20°C. Transportation: at room temperature for up to 3 weeks. Desiccate.