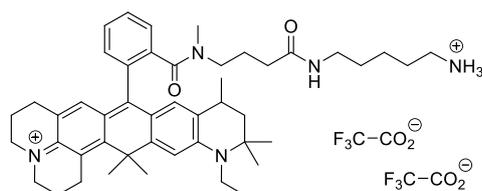


Product number **A114**  
Revision number **RN3.0**

**Product Name** (ATTO-647N™)cadaverine  
**Application** Fluorescent amine donor substrate for transglutaminases  
**Spectral properties**  $\lambda_{Ex, max} = 646 \text{ nm}$ ,  $\lambda_{Em, max} = 664 \text{ nm}$   
**Molecular Formula**  $C_{47}H_{64}N_5O_2^+$  (dye)  
**Molecular Weight** 958 (dinitrfluoroacetate)  
**Chemical Structure**



**Purity by HPLC** >95 % (254; 645 nm)  
**Solubility** At least 5 mg/mL in water  
**Appearance** Blue solid  
**Storage** Store at -20°C, desiccate, protect from light  
**Related products** T001 Bacterial transglutaminase highly purified  
C077 Z-Gln-Gly-CAD-(ATTO-647N™)  
L107 Atto-647N™ TGase Protein Q-Labeling Kit  
**Reference(s)** None yet  
**Release date** 5 April 2022

**NOTE** INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.