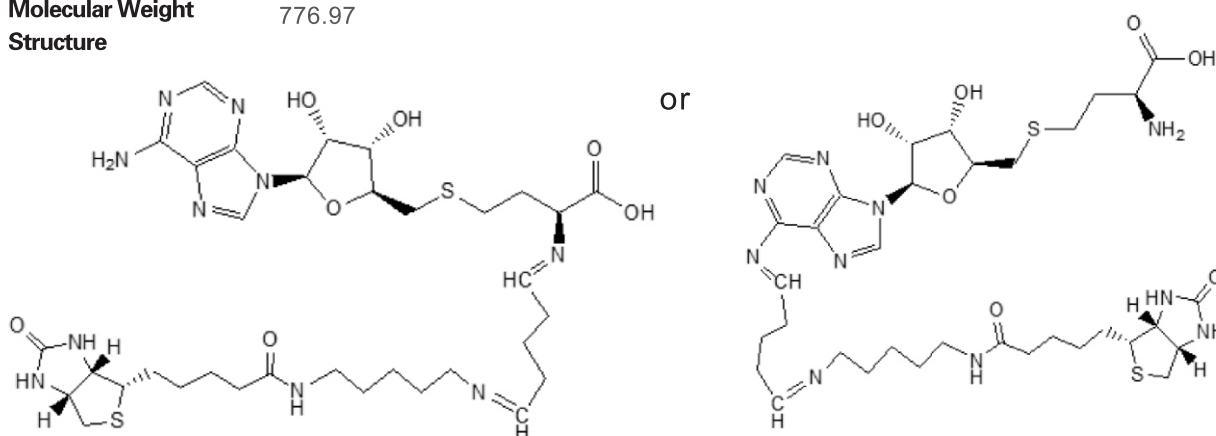


Bio-12CN-SAH 1a/b/c

Product name	Bio-12CN-SAH 1a/b/c
Catalog Number	ACT00305-10/50/100
Description	Biotin is conjugated with S-adenosylhomocysteine through a 10-carbon and 2-nitrogen linker.

Properties

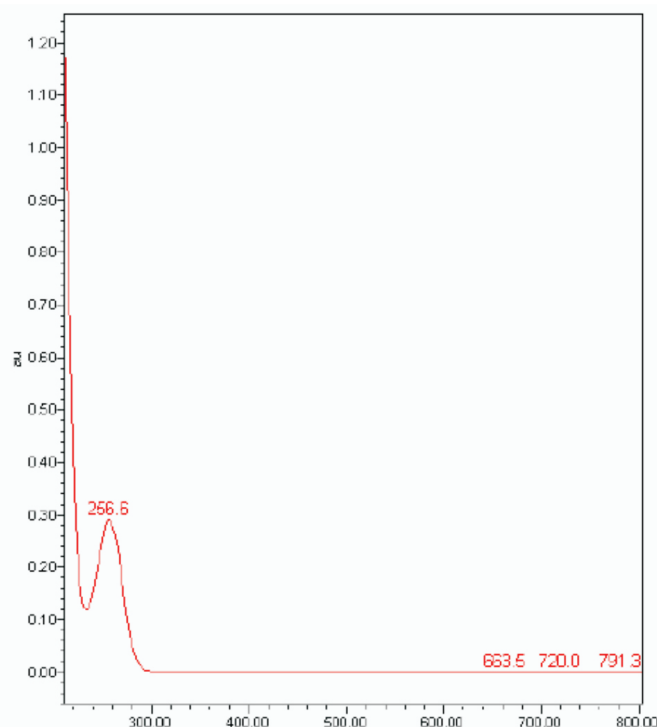
Form	Liquid
Molecular formula	C ₃₄ H ₅₂ N ₁₀ O ₇ S ₂
Molecular Weight	776.97
Structure	



Storage instructions	Store at -20°C
Storage buffer	PB 20mM pH 7.4 , Proclin 1%
Concentration	0.4 mg/ml or 0.5 mg/ml
Purity	100% (HPLC)

Verification

The ninhydrin colorimetry and thin layer chromatography methods were used to show reactions were complete and the conjugated products have the SAH component. Thorough purification was performed in each step to ensure removal of any non-conjugated materials. Ultraviolet absorption spectrum of the conjugated product showed a peak at 256.6nm. SAH UV absorption spectrum does not show any peak.



Applications

The use of ACT00305-10/50/100 in the following application has been tested. Optimal concentrations should be determined by the end user. The product may be used in other not-yet-tested applications.

Application	Notes
Competitive ELISA (Plates coated with BSA-SAH, SA, Mouse-anti-SAH antibody respectively)	NO DIFFERENCE BETWEEN BIOTIN CONJUGATED AND UNCONJUGATED SAH MOLECULES IN THEIR CAPABILITIES TO COMPETITIVELY BIND ANTI SAH ANTIBODY

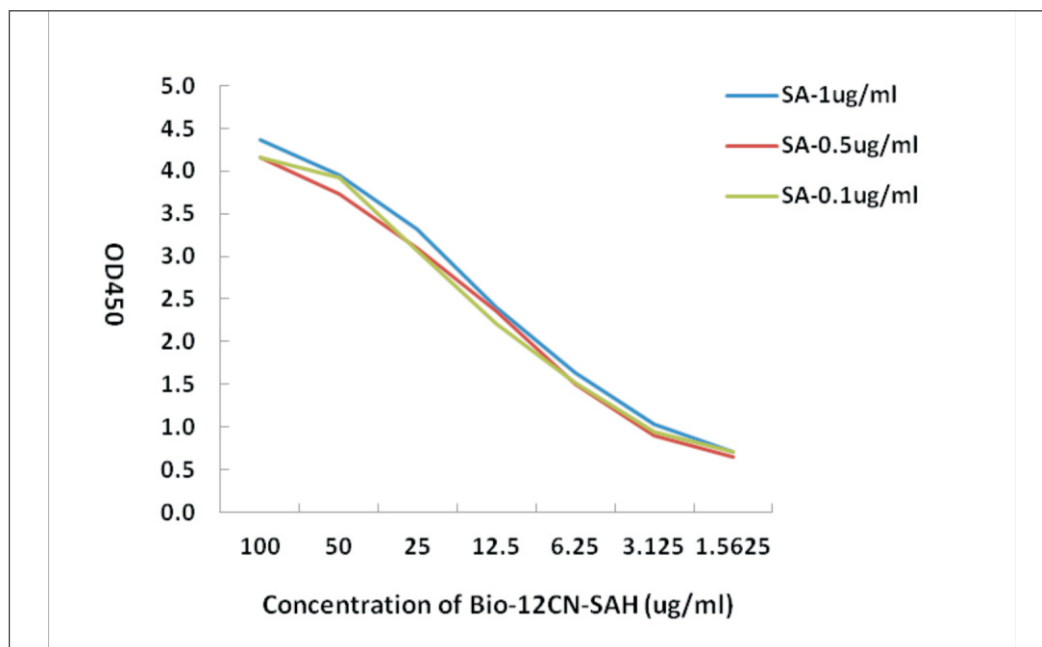


Figure 1 Streptavidin was coated on micro-plate, followed by Bio-12CN-SAH. HRP-anti-SAH antibody was then added and OD₄₅₀ was read.