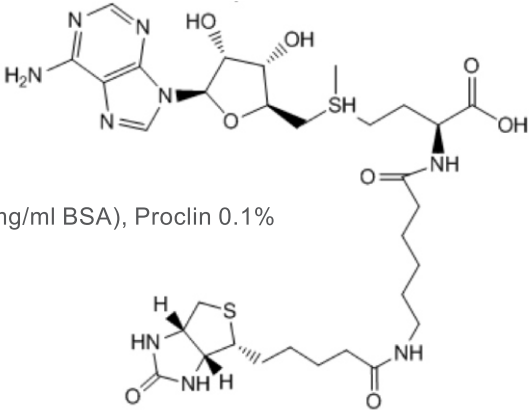


Bio-6C-SAM 1a/b

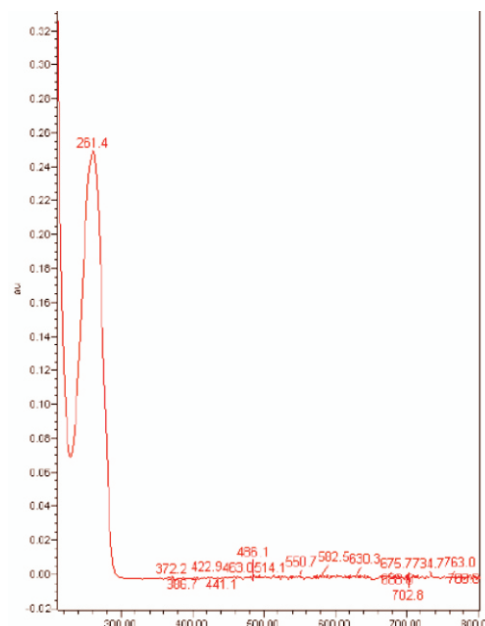
Product name	Bio-6C-SAM 1a/b
Catalog Number	ACT00203-50/100
Description	Biotin-conjugated S-adenosylmethionine: Biotin is conjugated to an NH ₂ of SAM through 6-aminohexanoic acid.

Properties

Form	Liquid
Molecular formula	C ₃₁ H ₄₉ N ₉ O ₈ S ₂
Molecular Weight	739.91
Structure	
Storage instructions	Store at -20°C
Storage buffer	PB 20mM pH 7.4 (with or without 10mg/ml BSA), Proclin 0.1%
Concentration	0.5mg/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 SAM 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 261.4nm. SAM UV absorption spectrum does not show any peak.



Applications

The use of ACT00203-50/100 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	No difference between Biotin-conjugated and unconjugated SAM in their capabilities to competitively bind anti-SAM antibody.