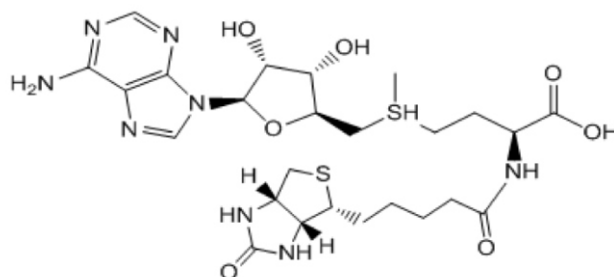


## Bio-SAM a/b

<b>Product name</b>	Bio-SAM a/b
<b>Catalog Number</b>	ACT00202-50/100
<b>Description</b>	Biotin is conjugated to the NH <sub>2</sub> group of S-adenosylmethionine.

### Properties

<b>Form</b>	Liquid
<b>Molecular formula</b>	C <sub>25</sub> H <sub>38</sub> N <sub>8</sub> O <sub>7</sub> S <sub>2</sub>
<b>Molecular Weight</b>	626.75
<b>Structure</b>	



<b>Storage instructions</b>	Store at -20°C
<b>Storage buffer</b>	PB 20mM pH 7.4 (with or without 10mg/ml BSA), Proclin 0.1%
<b>Concentration</b>	2 mg/ml
<b>Purity</b>	100% (HPLC)

### Verification

The ninhydrin colorimetry and thin layer chromatography methods were used to show reactions were complete and the conjugated product has the SAM component. Thorough purification was performed to ensure removal of any non-conjugated materials. Ultraviolet absorption spectrum of the conjugated product showed a peak at 255.5nm. SAM UV absorption spectrum does not show any peak.

### Applications

The use of ACT00202-50/100 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 molecules in their capabilities to competitively bind anti-SAM antibody.

