



## Aconitine [BSA] (DAG001S)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

Specificity	N/A
Species	N/A
Conjugate	BSA
Applications	ELISA, LFIA
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	1 mg
Buffer	0.01M PBS, pH7.4
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Ship	Wet ice

### BACKGROUND

#### Introduction

Aconitine, also known as acetylbenzoylaconitane, is a C<sub>19</sub> norditerpenoid alkaloid. Its molecular formula is C<sub>34</sub>H<sub>47</sub>NO<sub>11</sub>. It has 3 hydrogen bond donors, 12 hydrogen bond acceptors, 7.7 flexible bonds. Aconitine belongs to the family of aconitum alkaloids and is barely soluble in water, but very soluble in organic solvents such as chloroform or diethyl ether. Aconitine is also soluble in mixtures of alcohol and water if the concentration of alcohol is high enough. Aconitine is synthesized by the aconitum plant via terpenoid biosynthesis from methylerythritol phosphate pathway that polymerizes subsequent to phosphorylation.

**Keywords**

Acetylbenzoylaconitane;Aconitine;C34H47NO112

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