



## Nicotine [HRP] (DAG3011)

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

### PRODUCT INFORMATION

<b>Product Overview</b>	Nicotine, HRP-Conjugated
<b>Species</b>	N/A
<b>Conjugate</b>	HRP
<b>Applications</b>	immunoassay development or other applications.
<b>Bio-activity</b>	300 units/mg, pyrogallol
<b>Format</b>	Liquid
<b>Size</b>	1 ml
<b>Buffer</b>	1:1 glycerol / 15 mM phosphate, 0.85% NaCl, pH: 7.2
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C.

### BACKGROUND

<b>Introduction</b>	Nicotine is an alkaloid found in the nightshade family of plants (Solanaceae) that acts as a nicotinic acetylcholine agonist and a monoamine oxidase inhibitor. The biosynthesis takes place in the roots and accumulation occurs in the leaves of the Solanaceae. It constitutes approximately 0.6–3.0% of the dry weight of tobacco and is present in the range of 2–7 µg/kg of various edible plants. It functions as an antiherbivore chemical; therefore, nicotine was widely used as an insecticide in the past and nicotine analogs such as imidacloprid are currently widely used.
<b>Keywords</b>	nicotine; L-Nicotine; (-)-Nicotine; (S)-Nicotine