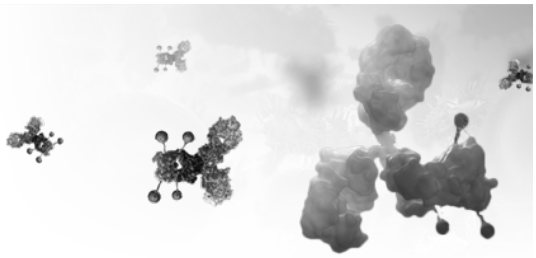

PCP [BSA] (DAG3015)

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

PRODUCT INFORMATION

Product Overview	Phencyclidine, BSA-Conjugated
Species	N/A
Conjugate	BSA
Applications	immunoassay development or other applications.
Format	Liquid
Size	1 mg
Buffer	Supplied in PBS, pH 7.5.
Preservative	0.01% Sodium Azide
Storage	Store at 2-8°C short term and -20°C long term. We recommend aliquoting the product in small volumes and storing at -20°C. Avoid repeated freeze/thaw cycles.

BACKGROUND

Introduction	Phencyclidine, alsoknown as angel dust and myriad other street names, is a recreational,dissociative drug formerly used as an anesthetic agent, exhibitinghallucinogenic and neurotoxic effects. Developed in Germany in 1926, it wasfirst patented in 1952 by the Parke-Davis pharmaceutical company and marketedunder the brand name Sernyl. In chemical structure, PCP is anarylcyclohexylamine derivative, and, in pharmacology, it is a member of thefamily of dissociative anesthetics. PCP works primarily as an NMDA receptorantagonist, which blocks the activity of the NMDA receptor and, like mostantiglutamatergic hallucinogens, is significantly more dangerous than othercategories of hallucinogens. Other NMDA receptor antagonists includeketamine, tiletamine, dextromethorphan and nitrous oxide. Although theprimary psychoactive effects of the drug lasts for a few hours, the totalelimination rate from

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	the body typically extends eight days or longer.As arecreational drug, PCP may be ingested, smoked, or snorted. Phencyclidine modulates secretogranin II[sg II] expression inprefrontal cortex tissue in the absence of afferent inputs. The nature ofthese changes is dependent upon the duration of exposure to and/or withdrawalfrom phencyclidine. It is used as an anesthetic by veterinarians and isillicitly taken for its hallucinogen effects.
Keywords	PCP; Phenylcyclohexylpiperidine; PHENCYCLIDINE; Phencylidine; OTTHUMP00000109191; PEP19; Purkinje cell protein 4; Phencyclidine solution

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