



## Ketamine [KLH] (DAGA-280K)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	Ketamine is a drug used in human and veterinary medicine. Its hydrochloride salt is sold as Ketanest, Ketaset, and Ketalar. Pharmacologically, ketamine is classified as an NMDA receptor antagonist. At high, fully anesthetic level doses, ketamine has also been found to bind to opioid $\mu$ receptors type 2 in cultured human neuroblastoma cells – however, without agonist activity – and to sigma receptors in rats. Also, ketamine interacts with muscarinic receptors, descending monoaminergic pain pathways and voltage-gated calcium channels. Like other drugs of this class such as tiletamine and phencyclidine (PCP), it induces a state referred to as "dissociative anesthesia" and is used as a recreational drug.
<b>Conjugate</b>	KLH
<b>Applications</b>	Immunogen
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements.
<b>Size</b>	1 mg
<b>Buffer</b>	0.01M pH7.4 PBS
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

### BACKGROUND

<b>Keywords</b>	Ketaset; Ketanest; Ketamine; Ketalar; (RS)-2-(2-Chlorophenyl)-2-(methylamino)cyclohexanone; (+)-2-(o-chlorophenyl)-2-(methylamino) cyclohexanonehydrochloride; calipsol; ci581; cl369; cn-52; 372-2; kalipsol; kalipsol;
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