



## Tramadol [BSA] (DAG399)

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

### PRODUCT INFORMATION

Conjugate	BSA
Applications	ELISA
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	1 mg
Buffer	Distilled water
Preservative	None
Storage	2-8°C short term, -20°C long term

### BACKGROUND

**Introduction** (R,R)-tramadol is a 2-[(dimethylamino)methyl]-1-(3-methoxyphenyl)cyclohexanol in which both stereocentres have R-configuration; the (R,R)-enantiomer of the racemic opioid analgesic tramadol, it exhibits ten-fold higher analgesic potency than the (S,S)-enantiomer. It has a role as a delta-opioid receptor agonist, a kappa-opioid receptor agonist, a mu-opioid receptor agonist, an adrenergic uptake inhibitor, an antitussive, a capsaicin receptor antagonist, a muscarinic antagonist, a nicotinic antagonist, a NMDA receptor antagonist, an opioid analgesic, a serotonergic antagonist, a serotonin uptake inhibitor and a metabolite. It is a conjugate base of a (R,R)-tramadol(1+). It is an enantiomer of a (S,S)-tramadol.

**Keywords** Tramadol; Conzip, Durela, Qdolo