

Oxytocin antiparallel dimer TFA

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Oxytocin antiparallel dimer TFA is a homo peptide dimer connected by a disulfide bridge, exhibiting activities similar to oxytocin and vasopressin but with reduced toxicity [1] [2].
In vitro	The biological activity of parallel and antiparallel, homodimeric/heterodimeric disulfide-linked dimers of oxytocin and deamino-oxytocin ranges from 0.2% to 6% of that of oxytocin [1].
In vivo	Oxytocin dimer, when administered intravenously (静脉注射) as a single dose (单剂量), exhibits lower acute toxicity in rats compared to oxytocin, with an LD50 of 43 mg/kg versus 25 mg/kg [2].

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