

## Product Data Sheet

Cas No.:		Cat. No:	PL09808
Product Name:	Disitertide diammonium		
Product synonym:	-		
Chemical name:	Disitertide diammonium		
MF:	-	FW:	-
Purity:	≥98%	Batch No.:	-
Storage:			
λmax:	-	Formulation:	-
Solubility :	-		
SMILES :	-		
InChI Code:	-		
InChI Key:	-		
WARNING This product is not for human or veterinary use.			

## Product Description

Disitertide (P144) diammonium 是转化生长因子 TGFβ1 的多肽抑制剂，特异性的阻断其与受体间的相互作用。Disitertide diammonium 也是PI3K 的抑制剂和凋亡 (apoptosis) 诱导剂。

生物活性	Disitertide (P144) diammonium is a peptidic transforming growth factor-beta 1 (TGF-β1) inhibitor specifically designed to block the interaction with its receptor. Disitertide diammonium is also a PI3K inhibitor and an apoptosis inducer.
体外研究(In Vitro)	Disitertide (P144, 100 μg/mL) diammonium suppresses the protein expression levels of PI3K and p-Akt, and induce the protein expression of Bax in MC3T3-E1 cells. Disitertide (TGF-β1 inhibitor) diammonium abrogates the MACC1- AS1 expression in GC cells, suggesting that targeting TGFβ signaling pathway may be a potential strategy to inhibit MSC-induced stemness and chemoresistance. Disitertide (10 μg/mL to 200 μg/mL) diammonium affects proliferation, induces apoptosis as well as anoikis in A172 and U-87 MG GBM cell lines. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Disitertide (P144, Topical application, 300 μg/mL) diammonium may promote scar maturation and improvement of hypertrophic scar morphology features in an “in vivo” model in nude mice after two weeks of treatment. has not independently confirmed the accuracy of these methods. They are for reference only. Animal Model:
包装储存	Sealed storage, away from moisture and light, under nitrogenPowder -80°C 2 years; -20°C 1 year
溶解度数据	In Vitro: DMSO : 10 mg/mL (6.19 mM; Need ultrasonic)配制储备液