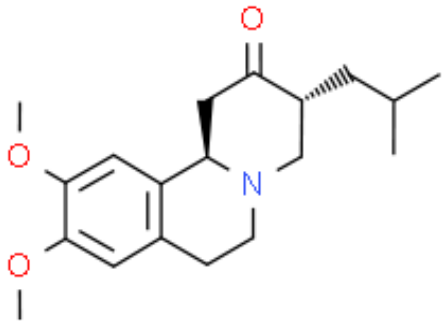


## Product Data Sheet

Cas No.:	1026016-83-0	Cat. No:	PL07513
Product Name:	(+) -Tetrabenazine		
Product synonym:	(+) - 丁苯那嗪; (3R,11bR)-1,3,4,6,7,11b-六氢-9,10-二甲氧基-3-异丁基-2H-苯并[a]喹嗪-2-酮; (+)- 丁苯那嗪标准品; (3S,11bS)-1,3,4,6,7,11b-六氢-9,10-二甲氧基-3-(2-甲基丙基)-2H-苯并[a]喹嗪-2-酮; Tetrabenazine ((+)-)		
Chemical name:	(+) -Tetrabenazine		
MF:	C19H27NO3	FW:	317.4226
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=C1C([H])([H])[C@]2([H])C3=C([H])C(=C(C([H])=C3C([H])([H])C([H])([H])N2C([H])([H])[C@@]1([H])C([H])([H])C([H])(C([H])([H])([H])C([H])([H])[H])OC([H])([H])[H])OC([H])([H])([H])[H])		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

(+) -Tetrabenazine ((+)-TBZ; (3R,11bR)-TBZ; (3R,11bR)-Tetrabenazine) 是一个可逆转的VMAT-2的抑制剂。

生物活性	(+) -Tetrabenazine ((+)-TBZ; (3R,11bR)-TBZ; (3R,11bR)-Tetrabenazine) is a reversible inhibitor of vesicular monoamine transporter 2 (VMAT-2), inhibits transport by VMAT2 with 10-fold greater potency than transport by VMAT1. target: VMAT-2 In vitro: (+)-Tetrabenazine inhibit the activity of the transporter but appear to interact differently with the protein. [2] (+)-Tetrabenazine inhibits reserpine binding to the transporter, suggesting that the sites may interact in an allosteric manner. [1] In vivo: 0.9% saline (80%) and dimethylsulfoxide (DMSO) (20%). (+)-Tetrabenazine blocks dopamine (DA) storage and depletes striatal DA; (+)-Tetrabenazine was shown to induce tremulous jaw movements (TJMs) in rats and mice. The reference dose for administration is 2.0 mg/kg.[2]
包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 16.67 mg/mL (52.52 mM; Need ultrasonic)配制储备液