

Catalog	Unit
TBI2672-10MG	10 mg
TBI2672-50MG	50 mg

Product Details

Formal Name: (3R,11bR)-rel-1,3,4,6,7,11b-Hexahydro-9,10-dimethoxy-3-(2-methylpropyl)-2H-benzo[a]quinolizin-2-one

Molecular Formula: C₁₉H₂₇NO₃

Formula Weight: 317.43

CAS Number: 58-46-8

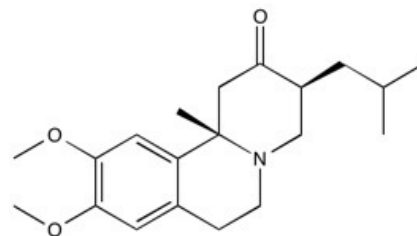
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml), or in Ethanol (up to 9 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

VMAT2 inhibitor; stem cell - beta cell inducer

Functions

Potent inhibitor of the vesicular monoamine transporter (VMAT), IC₅₀=3.2 nM with selectivity for VMAT2 over VMAT1. Promotes late stage differentiation of Pdx1-positive pancreatic progenitor cells into Neurog3-positive endocrine precursors.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml), or in Ethanol (up to 9 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 week.

For research use only.