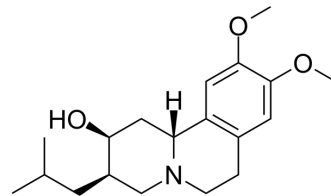


## Tetrabenazine Metabolite

Cat. No.:	HY-G0025
CAS No.:	924854-60-4
Molecular Formula:	C <sub>19</sub> H <sub>29</sub> NO <sub>3</sub>
Molecular Weight:	319.44
Target:	Monoamine Transporter; Drug Metabolite
Pathway:	Membrane Transporter/Ion Channel; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Tetrabenazine Metabolite is an active metabolite of Tetrabenazine. Tetrabenazine Metabolite is a vesicular monoamine transporter 2 (VMAT2) inhibitor with a high affinity ( $K_i=13.4$  nM)<sup>[1]</sup>. Tetrabenazine Metabolite is developed for the treatment of chorea associated with Huntington's disease and other hyperkinetic disorders<sup>[1]</sup>.

### REFERENCES

[1]. Yao Z, et al. Preparation and evaluation of tetrabenazine enantiomers and all eight stereoisomers of dihydrotetrabenazine as VMAT2 inhibitors. *Eur J Med Chem.* 2011 May;46(5):1841-8.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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