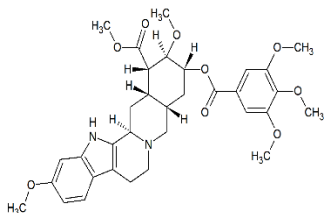


# Reserpine

**ALTERNATE NAME:** NSC 59272  
NSC 237659  
(3 $\beta$ ,16 $\beta$ ,17 $\alpha$ ,18 $\beta$ ,20 $\alpha$ )-11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-yohimban-16-carboxylic acid,  
methyl ester  
Rausedil

**CATALOG #:** B2681-10 10 mg  
B2681-50 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>33</sub>H<sub>40</sub>N<sub>2</sub>O<sub>9</sub>

**MOLECULAR WEIGHT:** 608.68

**CAS NUMBER:** 50-55-5

**APPEARANCE:** White to off-white solid

**PURITY:**  $\geq$ 98% by HPLC

**SOLUBILITY:** ~10 mg/ml DMSO

**DESCRIPTION:** Reserpine is an alkaloid isolated from dried roots of *R. serpentine*. Reserpine irreversibly inhibits both human isoforms of vesicular monoamine transporter, VMAT1 and VMAT2 (K<sub>i</sub>s = 34 and 12 nM, respectively). It also inhibits adrenaline induced-cutaneous blood vessel constriction and diminishes the effect of hyperthyroidism on cardiovascular and nervous system. Reserpine also inhibits the multidrug resistance protein P-glycoprotein (IC<sub>50</sub> = 0.5  $\mu$ M). licensed anti-hypertensive drug, was found to inhibit SARS-CoV in a small molecule screen.

**STORAGE TEMPERATURE:** -20°C. Protect from light

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Elacridar (2792)  
Tariquidar (2853)  
Valbenazine (B2954)  
MK-571 (2691)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*