

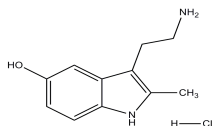
## Product: 2-Methyl-5-hydroxytryptamine hydrochloride

**ALTERNATE NAME:** 3-(2-aminoethyl)-2-methyl-1H-indol-5-ol hydrochloride; 2-Me-5HT; 2-methylserotonin HCl

**CATALOG #:** 2768-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>O.HCl

**MOLECULAR WEIGHT:** 226.71

**CAS NUMBER:** 845861-49-6

**APPEARANCE:** Beige solid

**SOLUBILITY:** H<sub>2</sub>O (>20 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at RT. Protect from light and moisture

**DESCRIPTION:** 2-Methyl-5-hydroxytryptamine is a 5-HT<sub>3</sub> agonist (K<sub>i</sub> = 1200 nM) and potent 5-HT<sub>6</sub> ligand (K<sub>i</sub> = 46 nM). Recently, this has been used as one of the components of the chemical cocktails used for reprogramming of mouse somatic cells toward pluripotent cells in the absence of Oct4.

**REFERENCE:** Hou, P., *et al.* (2013). *Science* **341**, 651-654.

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

### RELATED PRODUCTS:

DiscoveryPak™ Stem Cell Fate Regulator Set I (Cat. No. K852-3)  
DiscoveryPak™ Stem Cell Fate Regulator Set II (Cat. No. K853-8)  
DiscoveryPak™ Stem Cell Fate Regulator Set III (Cat. No. K854-3)  
DiscoveryPak™ Stem Cell Fate Regulator Set IV (Cat. No. K855-3)  
DiscoveryPak™ Stem Cell Fate Regulator Set V (Cat. No. K865-5)  
DiscoveryPak™ Stem Cell Fate Regulator Set VI (Cat. No. K866-5)  
DiscoveryPak™ Stem Cell Fate Regulator Set VII (Cat. No. K866-10)  
(±) –Bay K 8644 (Cat. No. 1682-5)  
BIX01294 (Cat. No. 1678-5, 25)  
CHIR99021 (Cat. No. 1677-5, 25)  
EZSolution™ CHIR99021 (Cat. No. 1748-5)  
PD0325901 (Cat. No. 1643-2)  
PluriSin1 (Cat. No. 2471-10, 50)  
PS-48 (Cat. No. 1869-5)  
Pyrintegrin (Cat. No. 1729-1,5)  
EZSolution™ Pyrintegrin (Cat. No. 1737-1)  
RepSox (Cat. No. 1894-5, 25)  
Reversine (Cat. No. 1851-1, 5)  
RG 108 (Cat. No. 1679-10,30)  
SB-431542 (Cat. No. 1674-1)  
EZSolution™ SB-431542 (Cat. No. 1872-1)  
SCD1 Inhibitor (Cat. No. 1716-1, 5)  
Sodium Butyrate (Cat. No. 1609-100, 1000)  
StemBoost™ Reprogramming Cocktail Set I (Cat. No. K869-1ML, 5ML, 1set) StemBoost™ Reprogramming Cocktail Set II (Cat. No. K870-1ML, 5ML, 1set)  
Thiazovivin (Cat. No. 1681-1,5)  
EZSolution™ Thiazovivin (Cat. No. 1736-1)  
Tranlycypromine Hemisulfate (Parnate) (Cat. No. 1816-25,100)  
Valproic Acid, Sodium Salt (Cat. No. 1647-200)  
Y-27632,2 HCl (Cat. No. 1596-1, 5, 50)  
EZSolution™ Y-27632, HCl (Cat. No. 1784-5)

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