

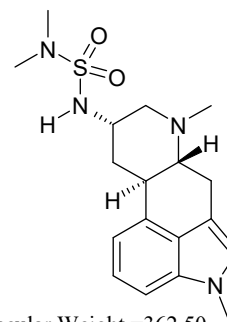
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## MESULERGINE, [N-METHYL-<sup>3</sup>H]-

Product Number: NET1148

### LOT SPECIFIC INFORMATION

|                    |               |
|--------------------|---------------|
| Lot Number:        | 3154712       |
| Specific Activity: | 80.3 Ci/mmol  |
|                    | 2971 GBq/mmol |
| Production Date:   | 22-May-2023   |



**PACKAGING:** 1.0 mCi/ml (37 MBq/ml) in ethanol. Shipped in dry ice.

**STABILITY AND STORAGE RECOMMENDATIONS:** The stability of Mesulergine, [N-methyl-<sup>3</sup>H]- is currently being evaluated. Mesulergine, [N-methyl-<sup>3</sup>H]- should be stored under nitrogen, at -80°C, in a container that protects the contents from UV light. Initial studies indicate that when Mesulergine, [N-methyl-<sup>3</sup>H]- is stored in its original solvent and at its original concentration, the rate of decomposition is initially less than 2% per month from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

**SPECIFIC ACTIVITY RANGE:** 70-87 Ci/mmol (2590-3219 GBq/mmol)

**RADIOCHEMICAL PURITY:** This product was initially found to be greater than 97% when determined by the following method. The rate of decomposition can accelerate. It is advisable to check purity prior to use:

High pressure liquid chromatography on a Brownlee Analytical C-18 5µm column using the following mobile phase:  
0.05M TEAB: acetonitrile, (45:55).

**QUALITY CONTROL:** The radiochemical purity of Mesulergine, [N-methyl-<sup>3</sup>H]- is checked at appropriate intervals using the above chromatography method.

### CORRESPONDING MEMBRANES:

|  |               |
|--|---------------|
| 5HT2C(e)                                   | ES-315-M400UA |
| Serotonin 5HT-2C (ne) (human) 1321N1 cells | ES-318-M400UA |
| Serotonin 5HT2c (human) HEK-293 cells      | 6110548400UA  |

**HAZARD INFORMATION:** WARNING: This product contains a chemical known to the state of California to cause cancer.

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