4-Hydroxytryptamine creatinine sulfate

Cat. No.: HY-115762
CAS No.: 55206-11-6
Molecular Formula: C₁₄H₂₁N₅O₆S
Molecular Weight: 387.41
Target: Endogenous Metabolite
Pathway: Metabolic Enzyme/Protease
Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

**BIOLOGICAL ACTIVITY**

| Description | 4-Hydroxytryptamine creatinine sulfate, a tryptamine derivative, is a neurotransmitter agonist[1]. |

| In Vivo | 4-Hydroxytryptamine creatinine sulfate (intravenously, tail vein; administered with a constant amount of [³H] norepinephrine; 17-20 g male albino mice) inhibits [³H] norepinephrine uptake with an ED₅₀ of 35 μmoles/kg[1]. 4-Hydroxytryptamine creatinine sulfate (subcutaneous injection; pretreatment [³H] norepinephrine is administered intravenously 60 min) increases the ED₅₀ value (21 μmoles/kg) for the release of [³H] norepinephrine in monoamine oxidase-inhibited mice[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

**REFERENCES**