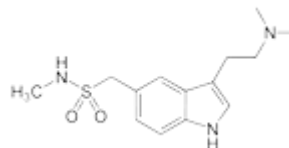




Product Name : SUMATRIPTAN



Product Description : Sumatriptan is a synthetic drug belonging to the triptan class, used for the treatment of migraine headaches. Structurally, it is an analog of the naturally occurring neuro-active alkaloids dimethyltryptamine (DMT), bufotenine, and 5-methoxy-dimethyltryptamine, with an N-methyl sulfonamidomethyl- group at position C-5 on the indole ring. Sumatriptan is structurally similar to serotonin (5HT), and is a 5-HT (types 5-HT_{1D} and 5-HT_{1B}[8]) agonist. The specific receptor subtypes it activates are present on the cranial arteries and veins. Acting as an agonist at these receptors, sumatriptan reduces the vascular inflammation associated with migraine. The specific receptor subtype it activates is present in the cranial and basilar arteries. Activation of these receptors causes vasoconstriction of those dilated arteries.

Chemical Formula : 1-[3-(2-dimethylaminoethyl)-1H-indol-5-yl]- N-methyl-methanesulfonamide

CAS No : 103628-46-2

Molecular Formula : C₁₄H₂₁N₃O₂S

Molecular Weight : 295.402