

Product Name : Hyoscyamine sulfate hydrate

Synonyms : —

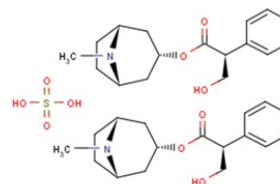
Cat No. : M18914

CAS Number : 620-61-1

Molecular Formula : C₁₇H₂₅NO₇S

Formula Weight : 387.44

Chemical Name : —



Description : Hyoscyamine Sulfate is the sulfate salt of a belladonna alkaloid derivative and the levorotatory form of racemic atropine isolated from the plants *Hyoscyamus niger* or *Atropa belladonna*, which exhibits anticholinergic activity. Hyoscyamine functions as a non-selective, competitive antagonist of muscarinic receptors, thereby inhibiting the parasympathetic activities of acetylcholine on the salivary, bronchial, and sweat glands, as well as the eye, heart, bladder, and gastrointestinal tract. These inhibitory effects cause a decrease in saliva, bronchial mucus, gastric juices, and sweat. Furthermore, its inhibitory action on smooth muscle prevents bladder contraction and decreases gastrointestinal motility.

Pathway : Others

Target : Other Targets

Receptor : muscarinic receptor

Solubility : —

SMILES : CN1C2CCC1CC(C2)OC(=O)C(CO)C3=CC=CC=C3.CN1C2CCC1CC(C2)OC(=O)C(CO)C3=CC=CC=C3.OS(=O)(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :