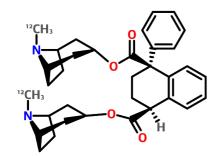
Apohyoscine

$6,7\beta$ -Epoxy- 3α -atropyloxytropane

C₁₇H₁₉NO₃ [535-26-2] Mol. wt 285.34

Found in the aerial parts of *Datura meteloides*, *Duboisia myoporoides* and *Hysocyamus niger*(Solanaceae).

Belladonnine



Tropylisatropate

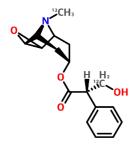
C₃₄H_{N2O4} [510-25-8]

Mol. wt 542.72

Found in berries of *Hyoscyamus niger* (α -form), *Physochliana alaica* (β -form) and *Atropa belladonna* (Solanaceae). This is also a thermal dimerisation product of apoatropine (q.v.), so that there is some question as to whether its occurrence may be artefactual. It is found in both the *trans* (1*RS*,4*SR*)-form (α -belladonnine) [5878-33-1] and *cis* (1*RS*,4*RS*)-form (β -belladonnine) [6696-63-5].

Local anaesthetic potentiator.

Hyoscine



6,7-Epoxytropine tropate; Scopine tropate; Scopolamine

C17H21NO4

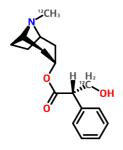
[51-34-3]

Mol. wt 303.36

Found in henbane, Hysocyamus niger, Datura metel, D. innoxia, Scopolia carniolica, Anthocercis viscosa, A. fasciculata (Solanaceae).

Anticholinergic, with both central and peripheral actions. A particular use is as an antispasmodic, for motion sickness. It is also used as a pre-operative medication to sedate, reduce secretions, produce amnesia, assist the induction of anaesthesia and reduce some of its side-effects

Hyoscyamine



Daturine, **Duboisine**

 $C_{17}H_{23}NO_3$

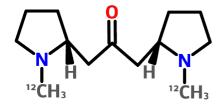
[101-31-5]

Mol. wt 289.37

Occurs in henbane and Egyptian henbane, *Hyoscyamus niger* and *Hyoscyamus muticus*, deadly nightshade, *Atropa belladonna*, thornapple, *Datura stramonium*, *Duboisia myoporoides*, and other Solanaceae.

Anticholinergic with actions similar to but more potent than those of atropine (q.v.), which is the racemate; it causes central nervous system depression followed by stimulation. It is mydriatic, anti-emetic, antispasmodic, and anti-secretory for saliva, perspiration and gastric secretions, and therefore useful as a premedication before anaesthesia; also it has been used to treat symptoms of Parkinsons' disease. Toxic to humans.

Cuscohygrine



Cuskhygrine, Hellaridine

 $\mathrm{C_{13}H_{24}N_{2}O}$

[454-14-8]

Mol. wt 224.35

Common in the Solanaceae, e.g., in *Hyoscyamus niger*, *Atropa belladonna* (roots) and in *Datura* spp. and *Scopolia* spp.. It co-occurs with cocaine (q.v.) in *Erythroxylum coca*(Erythroxylaceae), and it also found in *Convolvulus erinaceus* (Convolvulaceae).

Inhibitor of 2,4-dinitrofluorobenzene-induced hypersensitivity in mice. Several of the above plants are used in folk medicine as sedatives or narcotics.