Cat. No. P-127

(+)-PENTAZOCINE

Sigma receptor agonist; narcotic analgesic; active enantiomer of (±)-Pentazocine, Cat. No. P-144.

Mol. Formula: C_{19}H_{27}NO

Mol. Wt.: 285.43 (anhyd.)

m.p.: 179-180°C

CAS Registry No.: 7361-76-4

Chemical Name: (+)-[2S-(2α,6α,11R*)]-1,2,3,4,5,6-Hexahydro-6,11-dimethyl-3-(3-methyl-2-butenyl)-2,6-methano-3-benzazocin-8-ol

Physical Properties: White photosensitive solid; [α]_D^23 = +134.6° (c = 1, CHCl).

Caution: This substance should be handled with care. Precautions should be taken to avoid contact by all routes of exposure. RTECS No. PB8750000.

Storage: Store tightly sealed at room temperature, protected from exposure to light.

Solubility: A 10 mM solution of (+)-pentazocine is prepared by warming 28.5 mg of (+)-pentazocine free base in 2 ml of 0.1N HCl with shaking or sonication. When all solids have dissolved, the solution is cooled to room temperature and diluted to 10 ml with pH 7 buffer. Solutions should be freshly prepared, since cooling below room temperature may result in precipitation of the compound.

Disposal: Dissolve or mix the compound with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. This product is controlled by the Drug Enforcement Administration. Appropriate security must be maintained until the substance is destroyed. Records must be kept which detail the ultimate disposition of the material.

References: