Emerging Designer Drug Monograph

Revision Date: October 7, 2013

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Drug Name: 5-MeO-DALT

Synonyms: 5-methoxy-N,N-di-2-propen-1-yl-1H-indole-3-ethanamine, N-Allyl-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]prop-2-en-1-amine

Structure:

![Structure of 5-MeO-DALT](image)

Formula: C_{17}H_{22}N_{2}O

Molecular Weight: 270.4 g/mol

Pharmacological Drug Class: 5-MeO-DALT is a hallucinogenic tryptamine (1).

Metabolism: Very little literature exists for this drug (1). Metabolites have not been described.

Blood Concentrations: One case study exists of 5-MeO-DALT that involved an adult male with a post mortem blood level of 22mg/dL. The autopsy revealed that he died from being hit by a motor vehicle and not an overdose of the drug (1).

Effects and Toxicity: Users of 5-MeO-DALT have reported rapid, euphoric, sensual, energised bodies, visual hallucinations and loss of control of limbs making walking difficult. Symptoms take effect at 15 to 30 minutes and last for 2 to 4 hours, with visual effects lasting longer. This drug has been seen in the form of gray pills and white/beige powder (1).

Analysis: 5-MeO-DALT chromatographs well without derivitization with GC-MS and LC-MS. However, it may be difficult to distinguish between this drug and other synthetic tryptamines such as 5-MeO-DIPT (1). The parameters for analysis are outlined at the SWGDRUG link below.
References:


SWGDRUG Monograph
http://www.swgdrug.org/Monographs/5-MeO-DALT.pdf

ChemSpider
http://www.chemspider.com/Chemical-Structure.21106245.html?rid=e93be910-78d8-4bce-9598-95c1a40eaf7