



EU EARLY WARNING SYSTEM FORMAL NOTIFICATION

Date issued	22 December 2022	RCS ID	EU-EWS-RCS-FN-2022-0041
Issued by	EMCDDA	Transmitted by	Action on New Drugs Sector, EMCDDA
Subject	Formal notification of 2-(3-methoxyphenyl)- <i>N</i> -[(2-methoxyphenyl)methyl]ethan-1-amine (3-MeO-NBOMe) as a new psychoactive substance under the terms of Regulation (EC) No 1920/2006 and Council Framework Decision 2004/757/JHA		

1. Read me first

This document provides formal notification of the analytical identification of 2-(3-methoxyphenyl)-*N*-[(2-methoxyphenyl)methyl]ethan-1-amine (3-MeO-NBOMe) for the first time in Europe.

Please report any additional data you have on this substance to: ews@emcdda.europa.eu

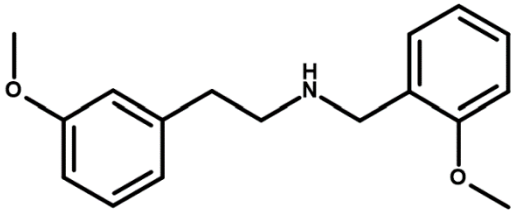
2. Data use restrictions

As with all formal notifications issued by the EU EWS remember that they may contain information that could be regarded as sensitive. Should you provide some of the information in this notification to other groups we would ask that you exercise your best judgment on what information needs to be provided. If you have any questions in this respect, please contact us.

3. Names of substance and other identifiers

- IUPAC name: 2-(3-methoxyphenyl)-*N*-[(2-methoxyphenyl)methyl]ethan-1-amine
- Chemical names: [2-(3-methoxyphenyl)ethyl][(2-methoxyphenyl)methyl]amine; *N*-(2-methoxybenzyl)-2-(3-methoxyphenyl)ethan-1-amine; 3-methoxy-*N*-[(2-methoxyphenyl)methyl]-benzeneethanamine
- Common name: 3-MeO-NBOMe
- Other names: 3-MeO-PEA-NBOMe
- Chemical formula: C₁₇H₂₁NO₂
- Molecular weight: 271.35
- CAS Registry number: 1176460-16-4
- InChIKey: XFIILEUHKXNOHF-UHFFFAOYSA-N

Molecular structure



4. Substance classification

Phenethylamine

5. Detection

Type: Collected sample

6. Chemistry and Analysis

Chemical classification: arylalkylamine; phenylalkylamine; phenethylamine

3-MeO-NBOMe is a ring-substituted phenethylamine and is structurally related to the internationally controlled 25I-NBOMe (Schedule I of the 1971 United Nations Single Convention on Psychotropic Substances).

3-MeO-NBOMe is reported to be soluble in dichloromethane and methanol and partially soluble in water.

7. Pharmacology and toxicology

Pharmacological classification: hallucinogen

There is no information available on the pharmacology and toxicology of 3-MeO-NBOMe. Based on its chemical structure and on its chemical similarity to 25I-NBOMe, 3-MeO-NBOMe is expected to act on the serotonin receptors and to produce hallucinogenic effects.

8. References

None.