

[Open Peer Review on Qeios](#)

# 2-Acetylaminofluorene

National Cancer Institute

## Source

National Cancer Institute. *2-Acetylaminofluorene*. NCI Thesaurus. Code C29791.

A synthetic, light tan crystalline solid that is insoluble in water and soluble in alcohols, glycols, ether, acetic acid, and fat solvents. It is used as a positive control by toxicologists to study the carcinogenicity and mutagenicity of aromatic amines. When heated to decomposition, 2-acetylaminofluorene emits toxic fumes of nitrogen oxides. The primary routes of potential human exposure to 2-acetylaminofluorene are inhalation and dermal contact. It is reasonably anticipated to be a human carcinogen. (NCI05)