



# NPS SNAPSHOT: NITAZENES

Learn more at [www.caymanchem.com/nitazenes](http://www.caymanchem.com/nitazenes)

## HISTORY & KEY DATES

One of several types of novel analgesics developed in the 20<sup>th</sup> century as potential alternatives to traditional opiates

**1950s**

Etonitazene and structurally related opioid agonist benzimidazoles are discovered in the pharmaceutical industry

**OCT. 2018 - APR. 2019**

Etonitazene, metonitazene, and isotonitazene emerge on illicit markets and in chat forums

**AUG. 2019**

Isotonitazene notified to EMCDDA

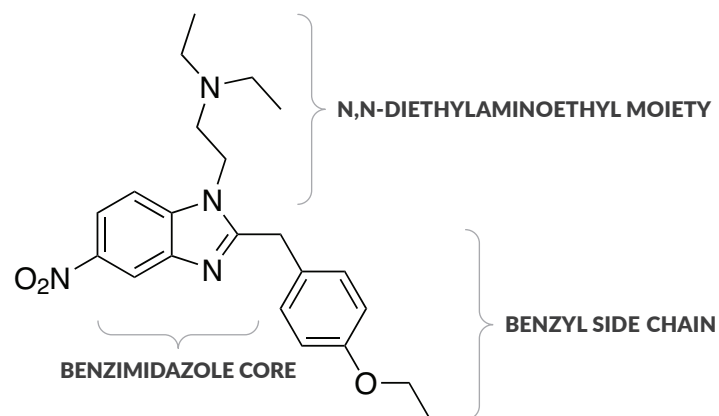
**JUN. 2020**

Temporary placement of isotonitazene in Schedule I by DEA; EMCDDA issues technical report prior to control

**JUL. 2020**

Metonitazene reported by CFSRE

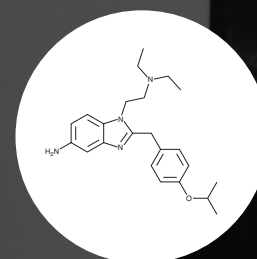
## PROTOTYPICAL STRUCTURE



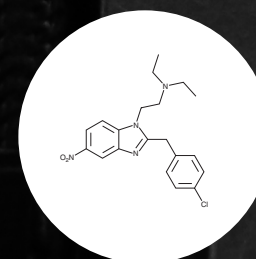
## PHARMACOLOGY

While some nitazenes have been reported in the literature to be far more potent than morphine, *in vitro* characterization data is lacking on some of the newer analogs. No nitazenes have been approved for human use.

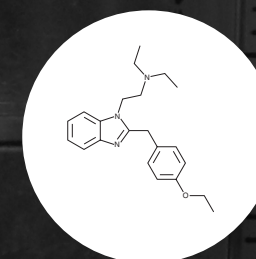
## AVAILABLE FROM CAYMAN



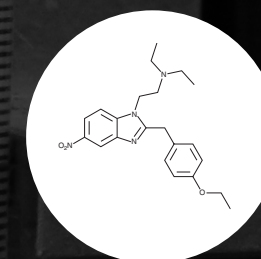
5-Aminoisotonitazene  
(29318)



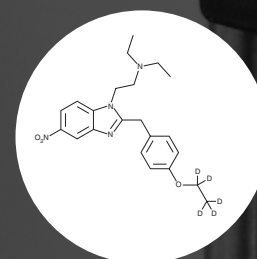
Clonitazene  
(29642)



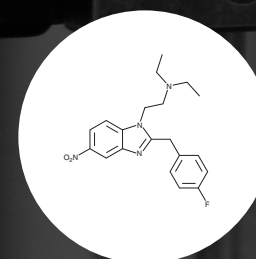
Etodesnitazene  
(29916)



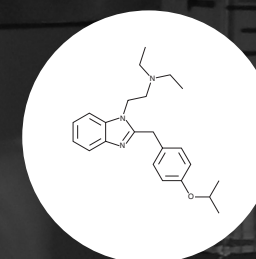
Etonitazene  
(21824)



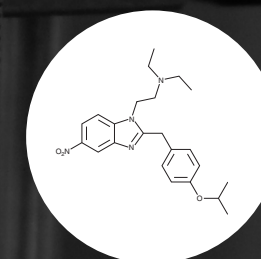
Etonitazene-d<sub>5</sub>  
(31134)



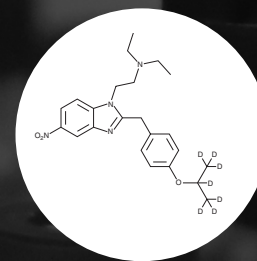
Flunitazene  
(30279)



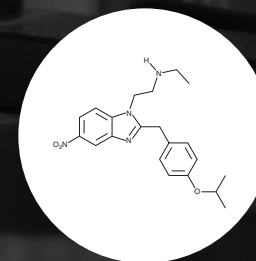
Isotodesnitazene  
(30286)



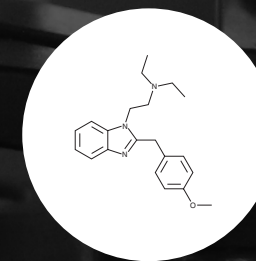
Isotonitazene  
(27255 | 30880)



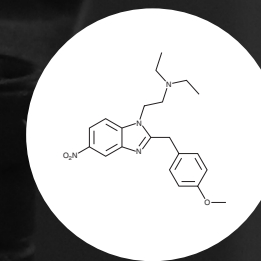
Isotonitazene-d<sub>7</sub>  
(29319)



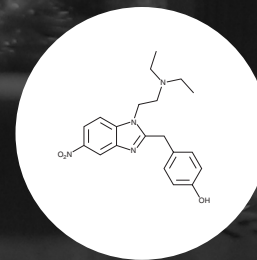
N-desethyl Isotonitazene  
(30216)



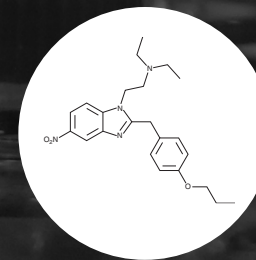
Metodesnitazene  
(30035)



Metonitazene  
(26398 | 31303)



4'-hydroxy Nitazene  
(30218)



Protonitazene  
(29381)

**CAN'T FIND YOUR  
UNKNOWN?**

Cayman's GC-MS drug identification tool can help you search by formula weight, base peak, and 2<sup>nd</sup> base peak ion. View our complete analytical standard line at [www.caymanchem.com/forensics](http://www.caymanchem.com/forensics)