PRODUCT INFORMATION

5-Aminoisotonitazene
Item No. 29318

CAS Registry No.:	2732926-25-7
Formal Name:	5-amino-N,N-diethyl-2-[[4-(1-methylethoxy)phenyl]methyl]-1H-benzimidazole-1-ethanamine
MF:	$C_{23}H_{32}N_4O$
FW:	380.5
Purity:	≥98%
UV/Vis.:	λ_{max}: 221 nm
Supplied as:	A solution in acetonitrile
Storage:	-20°C
Stability:	≥4 years
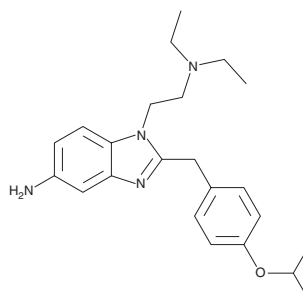
Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

5-Aminoisotonitazene (Item No. 29318) is an analytical reference standard categorized as an opioid.[1,2] It is a metabolite of isotonitazene (Item Nos. 30880 | 27255). This product is intended for research and forensic applications.

Reference

1. Krotulski, A.J., Papsun, D.M., Kacinko, S.L., *et al.* Isotonitazene quantitation and metabolite discovery in authentic forensic casework. *J. Anal. Toxicol.* **44(6)**, 521-530 (2020).
2. Vandeputte, M.M., Van Uytfanghe, K., Layle, N.K., *et al.* Synthesis, chemical characterization, and μ-opioid receptor activity assessment of the emerging group of "nitazene" 2-benzylbenzimidazole synthetic opioids. *ACS Chem. Neurosci.* **12(7)**, 1241-1251 (2021).