



CERTIFICATE OF ANALYSIS

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1. Identification

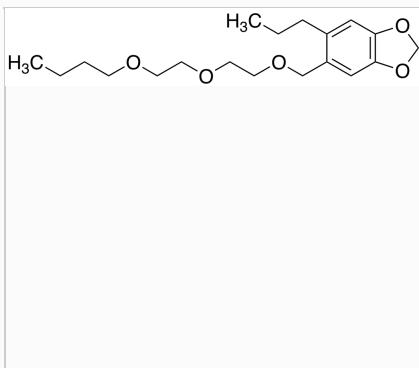
Catalogue Number: P490205

CAS Number: 51-03-6

Product: Piperonyl Butoxide (~90%)

Synonym: 5-[[2-(2-Butoxyethoxy)ethoxy]methyl]-6-propyl-1,3-benzodioxole; ENT-14250; Butacide;

Structure:



Molecular Formula:

$C_{19}H_{30}O_5$

Molecular weight:

338.44

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 2022-GHZ-043

Purity: ~90%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 68.19, %H: 9.07
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	89.15% (205 nm)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarjeet Kaur	Toni Rantanen	Chanell Chu	11/2/2022	10/31/2026