PRODUCT INFORMATION

Amobarbital (sodium salt)
Item No. 15882

CAS Registry No.: 64-43-7
Formal Name: 5-ethyl-5-(3-methylbutyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, monosodium salt
Synonyms: 5-Ethyl-5-isopentylbarbituric Acid, NSC 10815, NSC 32406, NSC 120800
MF: C_{11}H_{17}N_{2}O_{3} • Na
FW: 248.3
Purity: ≥95%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max}: 240 nm

Description

Amobarbital (sodium salt) (Item No. 15882) is an analytical reference standard that is categorized as a barbiturate. By activating GABA_{A} receptors in rat thalamic slices, 100 µM amobarbital elicits a depressant effect, increasing both the amplitude and decay time of inhibitory postsynaptic currents.¹ It has also been shown to compete with rotenone (Item No. 13995) for binding at complex I to inhibit mitochondrial electron transport.² Amobarbital is regulated as a schedule II compound in the United States and intended only for forensic and research purposes.

References