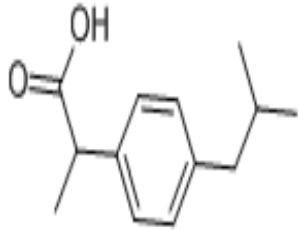


IBUPROFEN

Item	Value
PRODUCT NAME	ibuprofen
PRODUCT IMAGE	
CAS NUMBER	15687-27-1
WEIGHT	206.28
FORMULA	C ₁₃ H ₁₈ O ₂
PROPERTIES	<p>Melting point: : 77-78&#160;&#x00b0C(lit.) Boiling point: : 157 &degC (4 mmHg) alpha : [α]_D²⁰ -1 ~ +1 ° (c=1,C₂H₅OH) Density : 1.0364 (rough estimate) refractive index : 1.5500 (estimate) Flash point: : 9 storage temp. : -20°C Freezer solubility : Practically insoluble in water, freely soluble in acetone, in methanol and in methylene chloride. It dissolves in dilute solutions of alkali hydroxides and carbonates. pka : pKa 4.45 ± 0.04(H₂O,t = 25 ± 0.5,I=0.15(KCl))(Approximate) form : Crystalline Powder color : white to off-white Water Solubility : insoluble Merck : 14,4881 Stability: : Stable. Combustible. Incompatible with strong oxidizing agents. InChIKey : HEFNNWSXXWATRW-UHFFFAOYSA-N CAS DataBase Reference : 15687-27-1(CAS DataBase Reference) NIST Chemistry Reference : Ibuprofen(15687-27-1) EPA Substance Registry System : Benzeneacetic acid, .alpha.-methyl-4-(2-methylpropyl)- (15687-27-1)</p>

Item	Value
SAFETY	Hazard Codes:Xn,N,T,F Risk Statements:22-63-51/53-39/23/24/25-23/24/25-11 Safety Statements:36-61-36/37-45-16-7 RIDADR:2811 WGK Germany:3 RTECS:MU6640000 TSCA:Yes HazardClass:6.1(b) PackingGroup:III HS Code:29163920 Hazardous Substances Data:15687-27-1(Hazardous Substances Data) Toxicity:LD50 in male mice, rats (mg/kg): 495, 626 i.p. 1255, 1050 orally (Orzalesi)