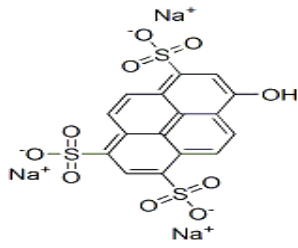


PYRANINE

Item	Value
PRODUCT NAME	pyranine
PRODUCT IMAGE	
CAS NUMBER	6358-69-6
WEIGHT	524.39
FORMULA	C ₁₆ H ₇ Na ₃ O ₁₀ S ₃
PROPERTIES	<p> Melting point: : 62-63.5℃(lit.) Boiling point: : 171-178℃(lit.) Density : 2.15 Flash point: : 250 ℃ solubility : methanol: 0.1g/mL, clear Colour Index : 59040 form : Powder pka : 7.3, (at 22 ℃) color : yellow Water Solubility : 300 g/L (25 ℃) λ_{max} : 403 nm (Buffer pH 4.0) 454 nm(Buffer pH 9.0) Merck : 7954 BRN : 4107272 Major Application : Adhesives agrochemicals ammonia sensor carbon dioxide sensor oxygen sensor anionic surfactant sensor measuring the size of the organoclay aggregates detecting cracks/flaws in metallic surfaces, refrigerant leaking detergents correction fluid highlighters ink markers paints pencils toners chemically amplified resist color filters chemiluminescent materials electrophoretic display (EPD) film materials electroluminescent displays/materials fuel cell lasers liquid crystal displays luminescent materials nanoparticles papers photoresist processes photonic ionic liquids soils solar cell sol – gel materials/processes/thin films sonophotoluminescence water tracer evaluating liquid water flow in wood during drying Biological Applications : Antiperspirants bath preparations cleansing products cosmetics contact lens hair dye hygiene products/soaps food products controlled-release system for proteins drug delivery in ophthalmology/retinal surgery sugar sensors (glucose, fructose, lactose, sucrose) as a substrate for measuring acetylcholinesterase (AChE) activity, carbonic anhydrase activity, esterase activity, β-glucuronidase activity, lipase activity, acidic/alkaline phosphatase activity, pyrophosphatase activity, sucrose phosphorylase (SPO) activity, phosphoglucomutase (PGM) activity treating cancer, infection, immune/autoimmune disease, mastitis, tonsillitis, tuberculosis CAS DataBase Reference : 6358-69-6 (CAS DataBase Reference) EPA Substance Registry System : 1,3,6-Pyrenetrilsulfonic acid, 8-hydroxy-, trisodium salt (6358-69-6) </p>

Item	Value
SAFETY	Hazard Codes:Xn,Xi Risk Statements:36/37/38 Safety Statements:36/37-37/39-26-36 WGK Germany:3 RTECS:UR2700000 TSCA:Yes