

Sodium 2,4-Dinitrobenzenesulfonate

Cat. No. Sodium 2,4-Dinitrobenzenesulfonate **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Sodium 2,4-Dinitrobenzenesulfonate
Description	Sodium 2,4-dinitrobenzenesulfonate functions as a chemical reagent, as a derivatizing agent for the determination of primary and secondary amines. It reacts with primary and secondary amines to form stable, colored derivatives, which can be quantified spectrophotometrically. The mechanism of action involves the nucleophilic attack of the amine group on the electrophilic nitro group of the reagent, leading to the formation of the colored product. This reaction allows for the sensitive and selective detection of amines in various samples, which may be useful for analytical chemistry and environmental monitoring. The derivatization process enhances the stability and detectability of the amine compounds, enabling their accurate quantification in complex matrices. Sodium 2,4-dinitrobenzenesulfonate plays a role in the analysis of amines, contributing to the advancement of analytical techniques and the understanding of amine-related processes in diverse fields.
CAS No.	885-62-1
Form	Light yellow crystal
Molecular Mass	270.15
Molecular Formula	C ₆ H ₃ N ₂ NaO ₇ S
Purity	Purity(HPLC): 99.9 area% Purity(Ion exchange titration): 100.5 %

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Solubility	Soluble in Methanol and Water
Storage	Room Temperature (Recommended in a cool and dark place, < 15 centigrade)