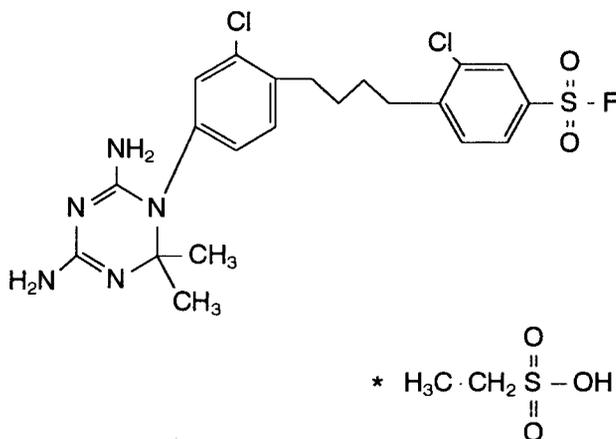


# DIHYDROTRIAZINE BENZENESULFONYL FLUORIDE

NSC - 127755



**Chemical Name:** Ethanesulfonic acid, compd. with 3-chloro-4-(4-(2-chloro-4-(4,6-diamino-2,2-dimethyl-1,3,5-triazin-1-(2H)-yl)phenyl)butyl)benzenesulfonyl fluoride (1:1)

**Other Names:** Triazine antifol

**CAS Registry Number:** 31368-48-6

**Molecular Formula:**  $\text{C}_{21}\text{H}_{24}\text{Cl}_2\text{FN}_5\text{O}_2\text{S} \cdot \text{C}_2\text{H}_5\text{SO}_3\text{H}$  **M.W.:** 610.6

**Approximate Solubility:** (mg/mL)

TFA	> 200
DMSO	200
MeOH	35
95% EtOH	9.7
H <sub>2</sub> O	0.09
10% DMA	3.3

**Stability:****Bulk:**

As a bulk chemical kept in a screw-capped vial and stored in a 60 °C oven, the sample appeared stable for at least 30 days (HPLC).

**Solution:**

A saturated solution in 10% aqueous DMA is stable at room temperature for 24 hours (HPLC).

**Ultraviolet Absorption:**

(95% EtOH)

$$\lambda_{\max} = 235 \pm 2 \text{ nm}$$

$$\epsilon = 22,500 - 23,000$$

**High Performance Liquid Chromatography:**

<b>Column:</b>	$\mu$ Porasil, 28 cm x 3.2 mm i.d.
<b>Mobile Phase:</b>	10% MeOH in CH <sub>2</sub> Cl <sub>2</sub> with 4 x 10 <sup>-4</sup> M PIC B-7
<b>Flow Rate:</b>	1 mL/min
<b>Detection:</b>	UV at 254 nm
<b>Sample Preparation:</b>	1 mg/mL in methanol or internal standard solution

**Internal Standard:** 3,4-diaminobenzoic acid (8 mg/25 mL methanol)

**Retention Volume:** 22.0 mL (NSC - 127755)  
12.5 mL (I.S.)