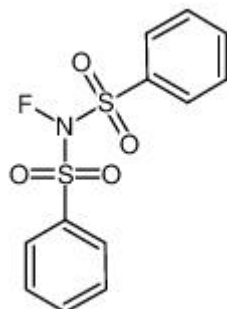


**FC-075 (CAS 133745-75-2) N-Fluorobenzenesulfonimide****BASIC INFORMATION**

cas: 133745-75-2  
Name: N-Fluorobenzenesulfonimide;  
N-Fluoro-N-(phenylsulfonyl)benzenesulfonamide;N-(benzenesulfonyl)-N-fluorobenzenesulfonamide;N-Fluorobis(phenylsulfonyl)amine;N-Fluorodi(benzenesulfonyl)amine,N-Fluorodibenzenesulfonimide,NFSI;N-Fluorodi( benzenesulfonyl)amine;  
Molecular formula: C<sub>12</sub>H<sub>10</sub>FNO<sub>4</sub>S<sub>2</sub>  
Molecular weight: 315.34100  
Exact quality: 315.00400  
PSA: 88.28000  
LOGP: 4.11230

**PHYSICAL INDEX**

Appearance and properties: white crystal  
Density: 1.476 g/cm<sup>3</sup>  
Boiling point: 244.5° C at 760 mmHg  
Melting point: 114-116 ° C  
Flash point: 101.7° C  
Refractive index: 1.424  
Vapor pressure: 0.0162mmHg at 25° C

**SECURITY INFORMATION**

Safety instructions: S26; S37/39  
WGK Germany: 3  
Hazard category code: R36/37/38  
Customs code: 2935009090  
Dangerous goods mark: Xi  
Hazard description: H315; H319; H335  
Danger sign: GHS07

Hazard prevention statement: P261; P305 + P351 + P338

Signal word: Warning

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**PRODUCTION  
METHODS AND  
APPLICATION**

use

Mainly used as a fluorinating agent, it can perform monofluorination reactions on electron-rich aromatic compounds, enol silyl ethers, enol Li salts, etc.

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