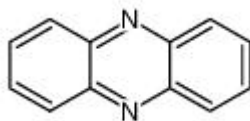


**FC-044 (CAS 92-82-0) phenazine****BASIC INFORMATION**

Name: phenazine, Azophenylene;Dibenzopyrazine;EINECS 202-193-9;Phenazine;dibenzo{b,e}pyrazine;Dibenzo-p-diazine;9,10-diazaanthracene;Acridizine;Dibenzoparadiazine;  
Molecular formula: C<sub>12</sub>H<sub>8</sub>N<sub>2</sub>  
Molecular weight: 180.20500  
PSA: 25.78000  
LOGP: 2.78300

**PHYSICAL INDEX**

Appearance and properties: yellow to brown crystalline powder  
Density: 1.25 g/cm<sup>3</sup>  
Boiling point: 360 ° C  
Melting point: 172-176 ° C(lit.)  
Flash point: 160.3° C  
Water solubility: insoluble  
Stability: Stable at room temperature in closed containers under normal storage and handling conditions.  
Storage conditions: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**SECURITY INFORMATION**

Safety instructions: S22-S24/25-S36/37  
Hazard category code: R22; R68  
WGK Germany: 3  
Customs code: 29163900  
Dangerous goods mark: Xn

**PRODUCTION METHODS AND APPLICATION**

production method  
It can be obtained by passing aniline vapor through a red heat pipe, or heating o-phenylenediamine and catechol in a pipeline, or distilling 2-aminodiphenylamine and lead monoxide.

use  
Mainly used in dyes, medicines, organic synthesis intermediates and biochemical research.