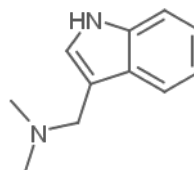


**Product Name** : Gramine  
**Synonyms** : Donaxine; Gramine; NSC 16892; NSC-16892  
**Cat No.** : M19210  
**CAS Number** : 87-52-5  
**Molecular Formula** : C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>  
**Formula Weight** : 174.24  
**Chemical Name** : 3-(Dimethylaminomethyl)indole



**Description** : Gramine, also known as Donaxine, is a naturally occurring indole alkaloid present in several plant species. Gramine may play a defensive role in these plants, since it is toxic to many organisms. Gramine inhibits angiogenesis and induces apoptosis via modulation of TGF- $\beta$  signalling in 7,12 dimethylbenz[a]anthracene (DMBA) induced hamster buccal pouch carcinoma.

**Pathway** : Others

**Target** : Antioxidant

**Receptor** : Others

**Solubility** : DMSO :  $\geq 125$  mg/mL; 717.40 mM

**SMILES** : CN(C)Cc1c[nH]c2ccccc12

**Storage** : (-20°C)

**Stability** :  $\geq 2$  years

**Reference** :

1.Liu SL, Wang WW, Liu F, Li HY, Liu JS, Yang WD.Bull Environ Contam Toxicol. 2016 Apr;96(4):540-3.