

## DABCYL C2 maleimide

Catalog Number: 2008

Unit Size: 25 mg

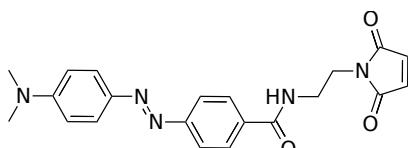
### Product Details

---

Storage Conditions	Freeze (< -15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

### Chemical Properties

---

Appearance	Solid orange
Molecular Weight	391.42
Soluble In	DMSO
Chemical Structure	 The chemical structure shows a 4-(4-(2-(2-maleimidyl)ethyl)azinyl)benzonitrile molecule. It consists of a central azinyl group (N=N) attached to a 4-aminobiphenyl ring. The 2-position of the biphenyl ring is substituted with a 2-maleimidyl group (-CH2CONHC=O).

### Spectral Properties

---

Excitation Wavelength	N/A
Emission Wavelength	N/A

### Applications

---

DABCYL C2 maleimide is the thiol-reactive form of DABCYL, and widely used to prepare a variety of FRET-based probes that contain DABCYL. DABCYL is one of the most popular acceptors for developing FRET-based nucleic acid probes and protease substrates. It is often paired with EDANS or a blue fluorescent donor such as coumarin dyes.