

Technical Data Sheet

Product Code: **IR Dye 9863**

Product Description: 863nm NIR Dye

Properties

Appearance: **orange free flowing powder**

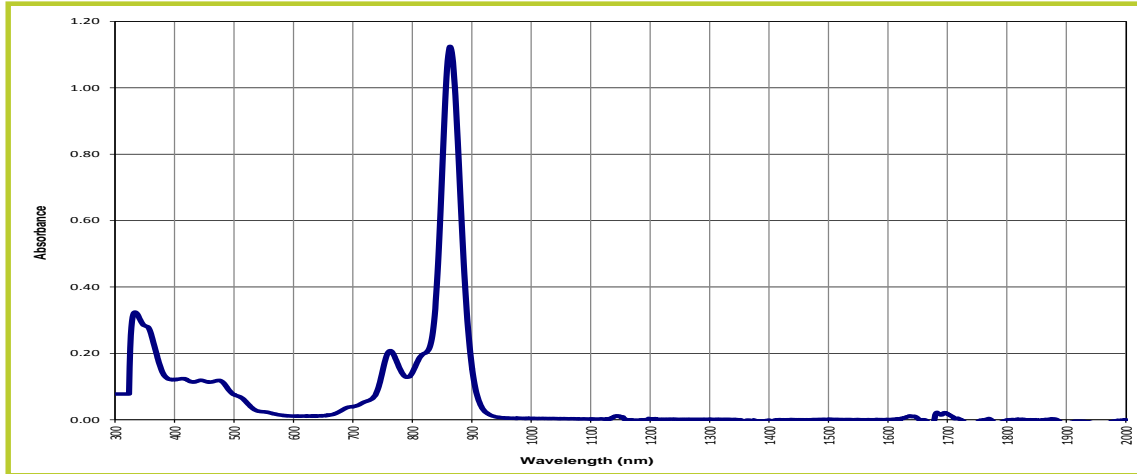
Melting Point: **275°C – 280°C**

Lambda Max: **863 nm**

Absorptivity: **170 (L g⁻¹ cm⁻¹)**

Solubility (grams/100 grams of solvent):
toluene

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 9863** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

Long pass Filters: Very sharp cutoff at 863 nm. Can be used in Polycarbonate

Laser protective eyewear: Protection at 863nm, with excellent visible light transmission



Adam Gates & Company