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Handcrafted Solutions For A High-Tech World

N-Phenyl Glycine

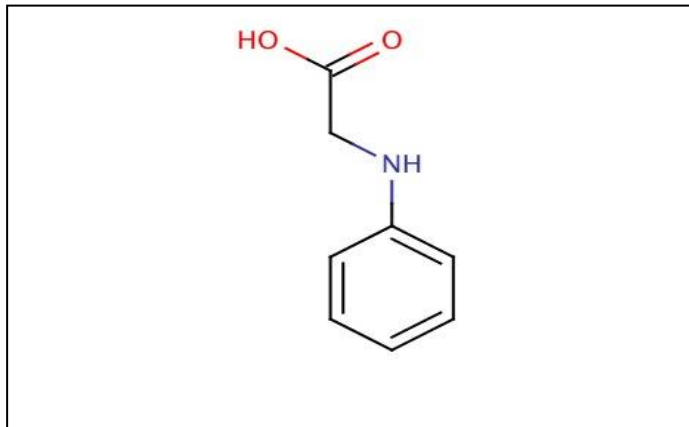
FP 5360

General

N-phenylglycine is a high purity alpha amino acid which acts as an efficient hydrogen donor in UV/EB systems. While NPG can provide an active hydrogen atom from the alpha carbon it will preferentially produce radicals via a decarboxylation process, which does not rely on the basicity of the amine function.

NPG works very efficiently in combination with ketocoumarins for visible light curing as well as a coinitiator for broad spectra and LED systems.

Chemical structure



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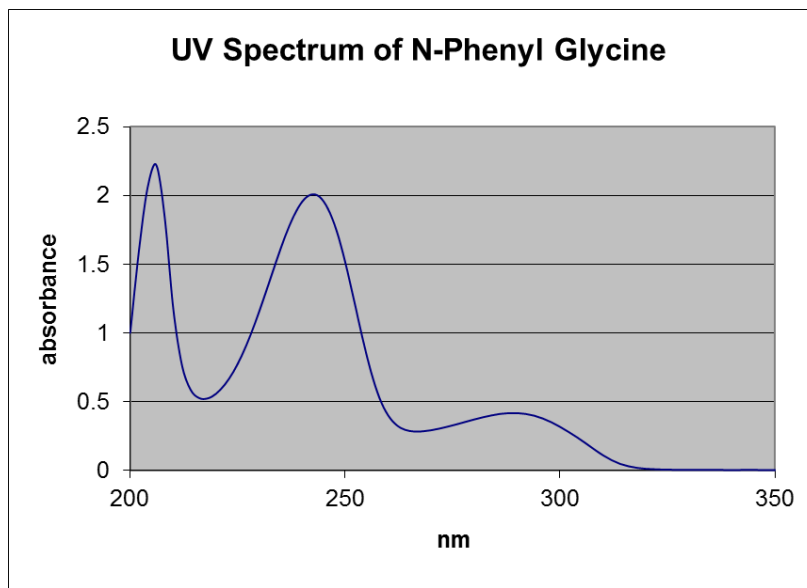
Product information

CHEMICAL NAME:	Glycine, N-Phenyl-
TRADE NAMES:	N-Phenyl Glycine, NPG
MOLECULAR FORMULA:	$C_8H_9NO_2$
CAS NUMBER:	103-01-5
HRI CODE:	FP5360
REGISTRATIONS:	NDSL, EINECS, ENCS, TSCA
SHELF LIFE:	1 year when stored indoors at 25 (+/- 5) deg C

Typical properties

APPEARANCE:	Yellow to tan powder
ASSAY:	98% Minimum
MELTING POINT:	123 Degrees C Minimum
SOLUBILITY:	Soluble in water, alcohols, toluene, Acetone
COLOR OF 1% w/w	Clear to yellow (pink or red is not acceptable)

Absorption Spectrum



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Safety and Handling

NPGI should be handled in accordance with good industrial practice. Detailed information is provided in the SDS.

NPG is sensitive to visible light and any exposure to sunlight should be avoided.

NOTE: Intellectual property issues cover the use of this material in select applications. For additional information visit our website www.hampfordresearch.com.

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