

Product Information

Product ID R2788

CAS No. 6497-78-5

Chemical Name 4-(2-(4-Nitro-1H-imidazol-1-yl)ethyl)morpholine

Synonym

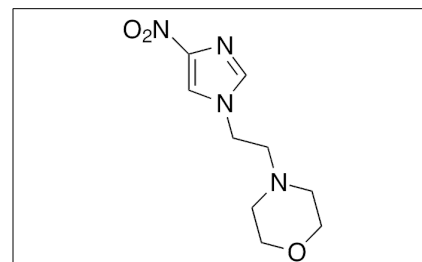
Formula C₉H₁₄N₄O₃

Formula Wt. 226.24

Melting Point

Purity ≥98%

Solubility 10 mM in DMSO



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
R2788	5 mg	\$63.30
R2788	25 mg	\$252.70

Store Temp -20°C

Ship Temp Ambient

Description RGW-611 is a morpholine derivative. It is a structural isomer of nimorazole, both of which are nitroimidazoles. RGW-611 may be present as an impurity in production of nimorazole. Nimorazole is a radiosensitizer with anticancer and anti-parasitic activities.

References Metwally MA, Frederiksen KD, Overgaard J. Compliance and toxicity of the hypoxic radiosensitizer nimorazole in the treatment of patients with head and neck squamous cell carcinoma (HNSCC). *Acta Oncol.* 2014 May;53(5):654-61. PMID: 24328536.

Overgaard J. Clinical evaluation of nitroimidazoles as modifiers of hypoxia in solid tumors. *Oncol Res.* 1994;6(10-11):509-18. PMID: 7620219.

Overgaard J, Overgaard M, Nielsen OS, et al. A comparative investigation of nimorazole and misonidazole as hypoxic radiosensitizers in a C3H mammary carcinoma in vivo. *Br J Cancer.* 1982 Dec;46(6):904-11. PMID: 7150484.

Wigfield AS. Trichomonal vaginitis. A 24-hr regimen of nimorazole compared with a 7-day regimen of metronidazole. *Br J Vener Dis.* 1975 Feb;51(1):54-6. PMID: 1092425.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.