



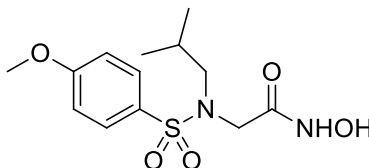
Catalog # 10-1045

NNGH

CAS# 161314-17-6

N-Isobutyl-N-(4-methoxyphenylsulfonyl)glycyl hydroxamic acid

Lot # X101047



Potent pan-specific inhibitor of matrix metalloproteinases (MMP3 $K_i=0.013 \mu\text{M}$). Inhibits MMP-1, -2, -7, -10, -12, -14 and MMP-20. Attenuates inflammation-induced thermal hyperalgesia. Cell Permeable.

- 1) MacPherson *et al.* (1997), *Discovery of CGS 27023A, a non-peptidic, potent, and orally active stromelysin inhibitor that blocks cartilage degradation in rabbits* ; J. Med Chem, **40** 2525
- 2) Jeng *et al.* (1998), *Sulfonamide-based hydroxamic acids as potent inhibitors of mouse macrophage metalloelastase* ; Bioorg. Med. Chem. Lett., **8** 897
- 3) Christianson *et al.* (2012), *Spinal matrix metalloproteinase 3 mediates inflammatory hyperalgesia via a tumor necrosis factor-dependent mechanism* ; J. Neuroscience, **200** 199

PHYSICAL DATA

Molecular Weight:	316.38
Molecular Formula:	$\text{C}_{13}\text{H}_{20}\text{N}_2\text{O}_5\text{S}$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 30 mg/ml), or ethanol (up to 8 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Protect from exposure to moisture. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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