GM-6001

MMP inhibitor

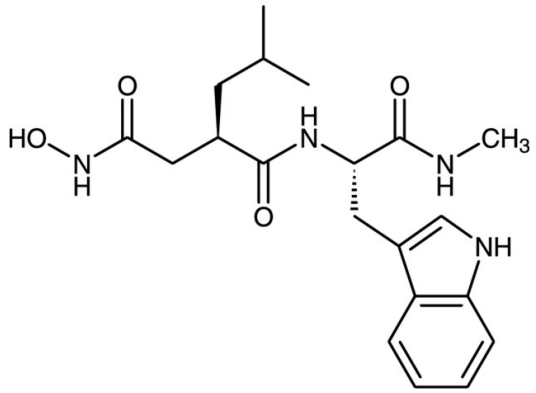
Potent broad-spectrum hydroxamate inhibitor of matrix metalloproteinases (MMPs). K_i values have been reported for the following human MMPs: MMP-1 (fibroblast collagenase): 0.4nM; MMP-2 (gelatinase A): 0.5nM; MMP-3 (stromelysin-1): 27nM; MMP-7 (matrilysin): 3.7nM; MMP-8 (neutrophil collagenase): 0.1nM; MMP-9 (gelatinase B): 0.2nM; MMP-12 (metalloelastase): 3.6nM; MMP-14 (MT1-MMP): 13.4nM; MMP-26 (endometase): 0.36nM. Also inhibits MMP-10, MMP-13, MMP-15, MMP-17, MMP-20, MMP-21, TACE, ADAM19, other ADAMs, anthrax lethal factor, neprilysin, leucine aminopeptidase, and DPPIII. Typical concentration range for use in tissue culture is 10-25µM. This inhibitor has also been used *in vivo*.

Citations: 41 View Online »

Ordering Information Order Online »

BML-EI300-0001	1mg
BML-EI300-0005	5mg

Manuals, SDS & CofA View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Galardin, Ilomastat, N-[(2R)-2-(Hydroxamidocarbonylmethyl)-4-methylpentanoyl]-L-tryptophan methylamide
Appearance	White to off-white powder.
CAS	142880-36-2
Couple Target	ADAM, DPP, MMP
Couple Type	Inhibitor
Formula	$C_{20}H_{28}N_4O_4$
Formulation	Lyophilized solid.
MW	388.5
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (at least 25mM) or 100% ethanol (10mg/ml)

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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