

Pefabloc[®]Tryp

Description: Pefabloc[®]Tryp is a synthetic low molecular weight competitive inhibitor selective for mast cell tryptase.

Application: Pefabloc[®]Tryp can be used in diagnostic systems, analytical applications, research and industrial purification processes to exclude undesired tryptase activity.

Formula: C₄₄H₄₄O₆N₈S₂·2HOAc **MW:** 965.1

Chem. name: 1,4-Bis-[(Nα-2-naphthylsulfonyl)-3-amidino-(D,L)-phenylalanine]-piperazide diacetate

Storage: May be used by the expiry date given on the analytical certificate when stored unopened, protected from moisture, in the dark, +2 to +8°C
Shipment of product does not require cooling during the time of transportation

K_i constants: K_i values for the inhibition of different trypsin-like serine proteases by Pefabloc[®]Tryp

Enzyme	K _i [μM]
Tryptase	0.025
Trypsin	0.36
Thrombin	5.5
Factor Xa	5.8
Factor XIIIa	23
Plasmin	3.5
uPA	38
sc-tPA	200
Plasma kallikrein	4.3
Glandular kallikrein	> 1000
PCa	5.2

References: Stürzebecher J, Prasa D, Hauptmann J, Vieweg H, Wikström P. Synthesis and structure-activity relationship of potent thrombin inhibitors: Piperazides of 3-Amidinophenylalanine. J Med Chem 1997; 40: 3091-99.

Package size: Bulk [mg] **Code:** 801292
[Data sheet / 6004] [®]Registered Trademark of DSM Nutritional Products Ltd Branch Pentapharm