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(54)	Title	A CRYSTALLINE TRIHYDRATE FORM OF (3S,3S') 4,4'-DISULFANEDIYLBIS (3-AMINOBUTANE 1-SULFONIC ACID)
(56)	References Cited:	US-A1- 2006 135 602 CHAUVEL E N ET AL: "DIFFERENTIAL INHIBITION OF AMINOPEPTIDASE A AND AMINOPEPTIDASE N BY NEW BETA-AMINO THIOLS", JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 37, no. 18, 1994, pages 2950-2957, XP002068832, ISSN: 0022-2623, DOI: DOI:10.1021/JM00044A016 INGUIMBERT N. ET AL: "Synthesis and separation of tritiated inhibitors of aminopeptidase A and their prodrugs", JOURNAL OF LABELLED COMPOUNDS AND

RADIOPHARMACEUTICALS, vol. 47, 2004, pages 997-1005, XP002622775, DOI: 10.1002/jlcr.888

MARTIN L ET AL: "Beta-amino-thiols inhibit the zinc metallopeptidase activity of tetanus toxin light chain", JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 41, no. 18, 27 August 1998 (1998-08-27), pages 3450-3460, XP002092584, ISSN: 0022-2623, DOI: DOI:10.1021/JM981015Z

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Patentkrav

1. En krystallinsk trihydratform av (3S,3S') 4,4'-disulfandiylbis(3-aminobutan-1-sulfonsyre), hvori den viser følgende røntgendiffraksjonsegenskaper:

h	k	l	2θ(°)	d(Å)	I(%)
0	0	1	5.09	17.34	76
0	1	2	14.30	6.19	23
0	0	3	15.30	5.79	100
-1	0	2	17.62	5.03	15
0	1	3	18.32	4.84	96
1	0	2	18.61	4.76	30
1	1	1	18.98	4.67	16
-1	1	2	20.34	4.36	26
0	2	1	20.75	4.28	26
1	1	2	21.16	4.19	11
1	0	3	22.09	4.02	37
0	1	4	22.79	3.90	37
-1	1	3	23.12	3.84	6
-1	0	4	24.65	3.61	74
1	2	0	25.15	3.54	7
0	0	5	25.60	3.48	62
1	2	1	25.83	3.45	39
-1	1	4	26.66	3.34	7
0	1	5	27.52	3.24	13
1	1	4	28.05	3.18	4
-1	0	5	28.94	3.08	4