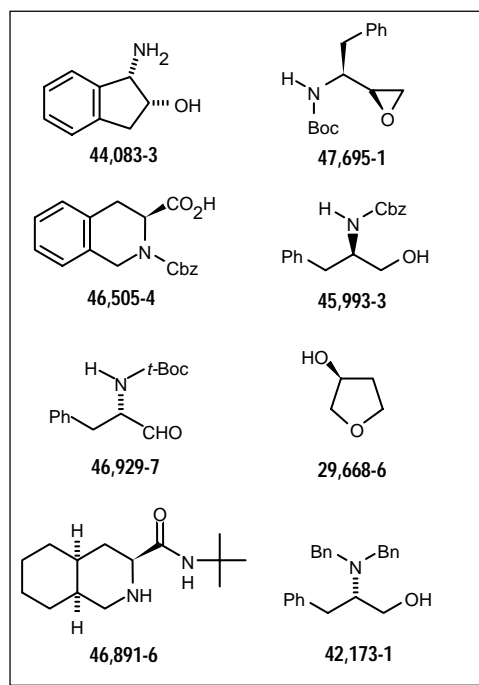
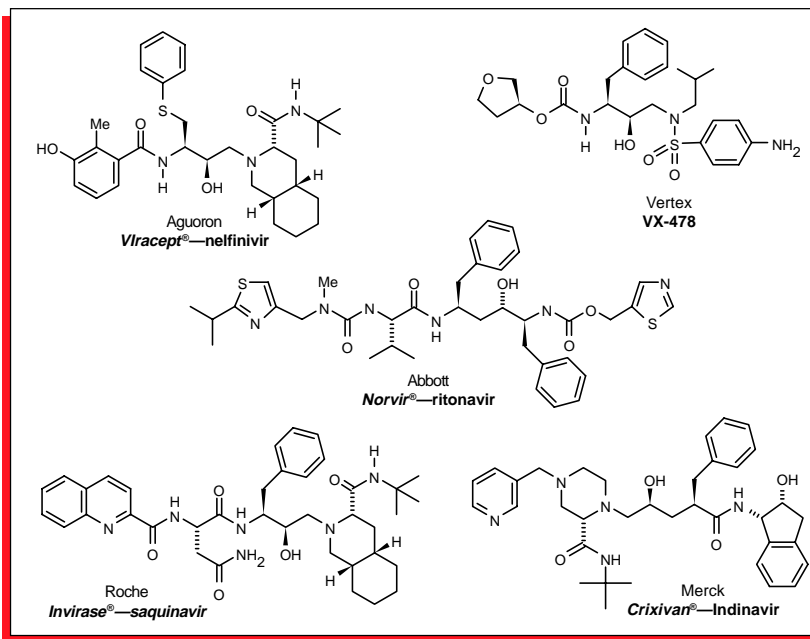


# Building Blocks for HIV Protease Inhibitors

**P**rotease inhibitors are an important new class of totally synthetic drugs for the treatment of HIV. They are "peptoids" or "peptido-mimetics" (similar to peptides) that bind and block the active site of the proteinase enzyme necessary for HIV replication, thus stopping the AIDS virus from developing. The complexity of protease inhibitors (see figure) has generated much effort toward the efficient synthesis of intermediates used in their preparation. Several of these key intermediates are listed below. Please inquire about larger quantities of any of these products.



## Products

44,083-3	(1 <i>S</i> ,2 <i>R</i> )-(-)- <i>cis</i> -1-Amino-2-indanol, 99%	1g; 5g
44,084-1	(1 <i>R</i> ,2 <i>S</i> )-(+)- <i>cis</i> -1-Amino-2-indanol, 99%	1g; 5g
46,505-4	( <i>S</i> )-(+)-2-(Benzyloxycarbonyl)-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid, 97%	1g; 10g
<b>NEW!</b>		
46,929-7	( <i>S</i> )-(-)-2-( <i>tert</i> -Butoxycarbonylamino)-3-phenylpropanal, 97%	250mg; 1g
<b>NEW!</b>		
46,928-9	( <i>R</i> )-(+)-2-( <i>tert</i> -Butoxycarbonylamino)-3-phenylpropanal, 97%	250mg; 1g
<b>NEW!</b>		
46,891-6	[3 <i>S</i> (3 $\alpha$ ,4 $\alpha\beta$ ,8 $\alpha\beta$ )]- <i>N</i> - <i>tert</i> -Butyldecahydro-3-isoquinolinecarboxamide, 98%	1g; 5g
<b>NEW!</b>		
47,695-1	<i>tert</i> -Butyl [ <i>S</i> -( <i>R</i> <sup>*</sup> , <i>R</i> <sup>*</sup> )]-(1-oxiranyl-2-phenyl)ethylcarbamate, 99%	1g
<b>NEW!</b>		
45,993-3	( <i>R</i> )-(+)-2-(Carbobenzyloxyamino)-3-phenyl-1-propanol, 97%	1g; 5g
<b>NEW!</b>		
42,173-1	( <i>S</i> )-(+)-2-(Dibenzylamino)-3-phenyl-1-propanol, 99%	1g; 5g
29,668-6	( <i>S</i> )-(+)-3-Hydroxytetrahydrofuran, 99%	5g; 25g
30,975-3	( <i>R</i> )-(-)-3-Hydroxytetrahydrofuran, 98%	250mg; 1g

**References:** Roberts, N.A. et al. *Science* **1990**, 248, 358. Tucker, T.J. et al. *J. Med.Chem.* **1992**, 35, 2525. Trova, M.P. et al. *Bioorg. Med. Chem. Lett.* **1993**, 3, 1595. Yu, K.L. et al. *ibid.* **1993**, 3, 535. Mordini, A. et al. *Tetrahedron Lett.* **1996**, 37, 5209. Maligres, P.E. et al. *ibid.* **1995**, 36, 2195. Maligres, P.E. et al. *Tetrahedron* **1996**, 52, 3327. Ghosh, A.K. et al. *J. Org. Chem.* **1997**, 62, 6080; and references cited therein. Vacca, J.P. et al. *Proc. Natl. Acad. Sci. USA* **1994**, 91, 4096. Rossen, K. et al. *Tetrahedron Lett.* **1995**, 36, 6419. Davies, I.W.; Reider, P.J. *Chemistry & Industry* **1996**, 412. Ng, J.S. et al. *Tetrahedron* **1995**, 51, 6397. Huff, J.R. *J. Med. Chem.* **1991**, 34, 2305; and references cited therein.



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