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DAP and DAB derivatives

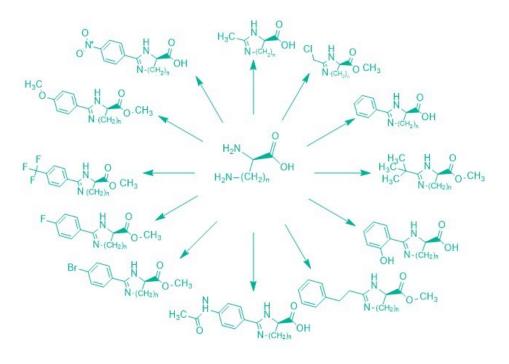
Derivatives of R-2,3-Diaminopropionic acid, S-2,3-Diaminopropionic acid R-2,4-Diaminobutyric acid and S-2,4-Diaminobutyric acid

APPLICATIONS

1,3-Diazaheterocycles derivatives of R-2,3-Diaminopropionic acid (R-DAP), S-2,3-Diaminopropionic acid (S-DAP), R-2,4-Diaminobutyric acid (R-DAB) and S-2,4-Diaminobutyric acid (S-DAB) exhibit various biological activities and can be used as versatile building blocks in medicinal chemistry, peptide chemistry and for manufacturing of diagnostic reagents. Furthermore, these compounds are beneficial chiral educts for organic synthesis.

BENEFITS

VIO Chemicals offers a vast choice of R-DAP, S-DAP, R-DAB and S-DAB derivatives using an advantageous and competitive in-house process with outstanding upscaling capabilities. Final specifications can be customized according to the intended use and in order to best fit your specific needs. Additionally, a variety of substitution patterns can be available and offered upon your requirements.



DERIVATIVES OF R-2,3-DIAMINOPROPIONIC ACID AND R-2,4 DIAMINOBUTYRIC ACID

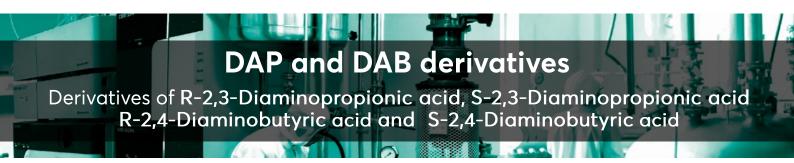
n=1 --> R-2,3-Diaminopropionic acid

n=2 --> R-2,4-Diaminobutyric acid

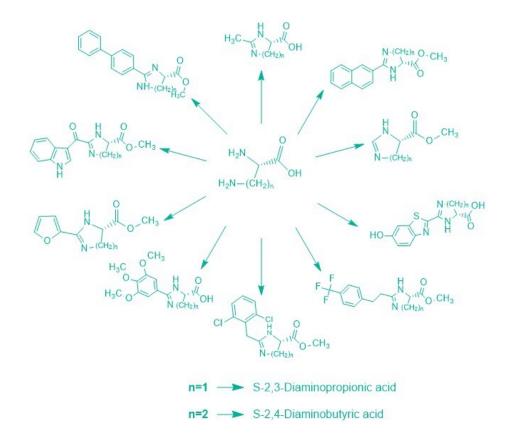
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DERIVATIVES OF S-2,3-DIAMINOPROPIONIC ACID AND S-2,4 DIAMINOBUTYRIC ACID



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R-DAP AND R-DAB DERIVATIVES	PRODUCT CODE	S-DAP AND S-DAB DERIVATIVES	PRODUCT CODE
H ₃ C K O N-(CH ₂)n OH	n=1 VIO-0001-R DAP n=2 VIO-0001-R DAB		n=1 VIO-0001-S DAP n=2 VIO-0001-S DAB
CI H O N-(CH ₂) ₀ CH ₃	n=1 VIO-0002-R DAP n=2 VIO-0002-R DAB	CI H O N-(CH ₂) ₀ CH ₃	n=1 VIO-0002-S DAP n=2 VIO-0002-S DAB
N-(CH ₂) _n OH	n=1 VIO-0003-R DAP n=2 VIO-0003-R DAB	N-(CH ₂) _n	n=1 VIO-0003-S DAP n=2 VIO-0003-S DAB
$\begin{array}{c} H_3C \\ H_3C \\ H_3C \\ H_3C \\ \end{array} \\ N \cdot (CH_2)_n \\ \end{array} O - CH_3$	n=1 VIO-0004-R DAP n=2 VIO-0004-R DAB	$\begin{array}{c} H_3C & H & O \\ H_3C & N & N \\ H_3C & N \cdot (CH_2)_n \\ \end{array} O \cdot CH_3$	n=1 VIO-0004-S DAP n=2 VIO-0004-S DAB
OH N-(CH ₂)n OH	n=1 VIO-0005-R DAP n=2 VIO-0005-R DAB	OH N-(CH2)n OH	n=1 VIO-0005-S DAP n=2 VIO-0005-S DAB
N-(CH ₂)n	n=1 VIO-0006-R DAP n=2 VIO-0006-R DAB	N-(CH ₂)n	n=1 VIO-0006-S DAP n=2 VIO-0006-S DAB
H ₃ C H H O N·(CH ₂)n OH	n=1 VIO-0007-R DAP n=2 VIO-0007-R DAB	H ₃ C H O N·(CH ₂)n OH	n=1 VIO-0007-S DAP n=2 VIO-0007-S DAB
Br H O N-(CH ₂)n O-CH ₃	n=1 VIO-0008-R DAP n=2 VIO-0008-R DAB	$\underset{N-(CH_2)_n}{Br} \overset{H}{\underset{N}{\overset{O}{\underset{CH_2)_n}{\circ}}}} \overset{O}{\underset{O}{\overset{CH_3}{\circ}}} CH_3$	n=1 VIO-0008-S DAP n=2 VIO-0008-S DAB
F H O N·(CH ₂)n O-CH ₃	n=1 VIO-0009-R DAP n=2 VIO-0009-R DAB	F C H O N·(CH ₂)n O-CH ₃	n=1 VIO-0009-S DAP n=2 VIO-0009-S DAB
F F N O CH ₃	n=1 VIO-0010-R DAP n=2 VIO-0010-R DAB	F F H O N (CH ₂)n CH ₃	n=1 VIO-0010-S DAP n=2 VIO-0010-S DAB
H ₃ C O N (CH ₂)n O.CH ₃	n=1 VIO-0011-R DAP n=2 VIO-0011-R DAB	H ₃ C O N (CH ₂)n N (CH ₂)n	n=1 VIO-0011-S DAP n=2 VIO-0011-S DAB
O O [.] N [*] O N-(CH ₂) _n OH	n=1 VIO-0012-R DAP n=2 VIO-0012-R DAB	O O N H O N H O N O H O H O H O H	n=1 VIO-0012-S DAP n=2 VIO-0012-S DAB

Products which are subject to patent protection are currently not offered or made available in countries where patents are in force. orders or deliveries are possible prior to the expiry date of valid patents.

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R-DAP AND R-DAB DERIVATIVES	PRODUCT CODE	S-DAP AND S-DAB DERIVATIVES	PRODUCT CODE
N·(CH ₂)n O·CH ₃	n=1 VIO-0013-R DAP n=2 VIO-0013-R DAB	N·(CH ₂)n O-CH ₃	n=1 VIO-0013-S DAP n=2 VIO-0013-S DAB
HO-VICH2h OH	n=1 VIO-0014-R DAP n=2 VIO-0014-R DAB	HO-VIN HO	n=1 VIO-0014-S DAP n=2 VIO-0014-S DAB
N-(CH ₂)n CH ₃	n=1 VIO-0015-R DAP n=2 VIO-0015-R DAB	N CH3	n=1 VIO-0015-S DAP n=2 VIO-0015-S DAB
CI CI CI O N-(CH2)n O-CH3	n=1 VIO-0016-R DAP n=2 VIO-0016-R DAB	CI CI CI CI CI CI CI O CI O CH ₃ N-(CH ₃)	n=1 VIO-0016-S DAP n=2 VIO-0016-S DAB
H_3C O H_3 H_3C H O H_3C H_3C H O H_3C O H_3C H O H_3C H O H_3C H O H H_3C H O H H_3C H H O H H H O H	n=1 VIO-0017-R DAP n=2 VIO-0017-R DAB	H_3C O H_3C H_3C O H_3C N $(CH_2)_n$ H O H H O H H O H H O H H H O H H H H H H H H H H	n=1 VIO-0017-S DAP n=2 VIO-0017-S DAB
N-(CH ₂)n	n=1 VIO-0018-R DAP n=2 VIO-0018-R DAB	N-(CH2)n	n=1 VIO-0018-S DAP n=2 VIO-008-S DAB
N-(CH ₂)n O-CH ₃	n=1 VIO-0019-R DAP n=2 VIO-0019-R DAB	N-(CH ₂) _n O-CH ₃	n=1 VIO-0019-S DAP n=2 VIO-0019-S DAB
NH-(CH4)A ₅ C	n=1 VIO-0020-R DAP n=2 VIO-0020-R DAB	NH-(CH2H3c	n=1 VIO-0020-S DAP n=2 VIO-0020-S DAB
F F N (CH ₂)n O.CH ₃	n=1 VIO-0021-R DAP n=2 VIO-0021-R DAB	F F H $ON (CH_2)_n O CH_3$	n=1 VIO-0021-S DAP n=2 VIO-0021-S DAB

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