

## 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


# VIO CHELVIICAI_S 

OUR SCIENCE, YOUR PRODUCT

## 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 ${ }^{\text {d }}$

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


| R-DAP AND R-DAB DERIVATIVES | PRODUCT CODE | S-DAP AND S-DAB DERIVATIVES | PRODUCT CODE |
| :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0001-R DAP } \\ & \mathrm{n}=2 \text { VIO-0001-R DAB } \end{aligned}$ |  | $\begin{aligned} & n=1 \text { VIO-0001-S DAP } \\ & n=2 \text { VIO-0001-S DAB } \end{aligned}$ |
|  | $\begin{aligned} & n=1 \text { VIO-0002-R DAP } \\ & n=2 \text { VIO-0002-R DAB } \end{aligned}$ |  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0002-S DAP } \\ & \mathrm{n}=2 \text { VIO-0002-S DAB } \end{aligned}$ |
|  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0003-R DAP } \\ & \mathrm{n}=2 \text { VIO-0003-R DAB } \end{aligned}$ |  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0003-S DAP } \\ & \mathrm{n}=2 \text { VIO-0003-S DAB } \end{aligned}$ |
|  | $\begin{aligned} & n=1 \text { VIO-0004-R DAP } \\ & n=2 \text { VIO-0004-R DAB } \end{aligned}$ |  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0004-S DAP } \\ & \mathrm{n}=2 \text { VIO-0004-S DAB } \end{aligned}$ |
|  | $\begin{aligned} & n=1 \text { VIO-0005-R DAP } \\ & n=2 \text { VIO-0005-R DAB } \end{aligned}$ |  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0005-S DAP } \\ & \mathrm{n}=2 \text { VIO-0005-S DAB } \end{aligned}$ |
|  | $\begin{aligned} & n=1 \text { VIO-0006-R DAP } \\ & n=2 \text { VIO-0006-R DAB } \end{aligned}$ |  | $\begin{aligned} & n=1 \text { VIO-0006-S DAP } \\ & n=2 \text { VIO-0006-S DAB } \end{aligned}$ |
|  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0007-R DAP } \\ & \mathrm{n}=2 \text { VIO-0007-R DAB } \end{aligned}$ |  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0007-S DAP } \\ & \mathrm{n}=2 \text { VIO-0007-S DAB } \end{aligned}$ |
|  | $\begin{aligned} & n=1 \text { VIO-0008-R DAP } \\ & n=2 \text { VIO-0008-R DAB } \end{aligned}$ |  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0008-S DAP } \\ & \mathrm{n}=2 \text { VIO-0008-S DAB } \end{aligned}$ |
|  | $\begin{aligned} & n=1 \text { VIO-0009-R DAP } \\ & n=2 \text { VIO-0009-R DAB } \end{aligned}$ |  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0009-S DAP } \\ & \mathrm{n}=2 \text { VIO-0009-S DAB } \end{aligned}$ |
|  | $\begin{aligned} & \mathrm{n}=1 \text { VIO-0010-R DAP } \\ & \mathrm{n}=2 \text { VIO-0010-R DAB } \end{aligned}$ |  | $\begin{aligned} & n=1 \text { VIO-0010-S DAP } \\ & n=2 \text { VIO-0010-S DAB } \end{aligned}$ |
|  | n=1 VIO-0011-R DAP $\mathrm{n}=2$ VIO-0011-R DAB |  | $\begin{aligned} & n=1 \text { VIO-0011-S DAP } \\ & n=2 \text { VIO-0011-S DAB } \end{aligned}$ |
|  | $\begin{aligned} & n=1 \text { VIO-0012-R DAP } \\ & n=2 \text { VIO-0012-R DAB } \end{aligned}$ |  | $\begin{aligned} & n=1 \text { VIO-0012-S DAP } \\ & \mathrm{n}=2 \text { VIO-0012-S DAB } \end{aligned}$ |

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.
$\mathbf{V I O}$ CHELVIVICAI_S
R-DAP AND R-DAB
DERIVATIVES

