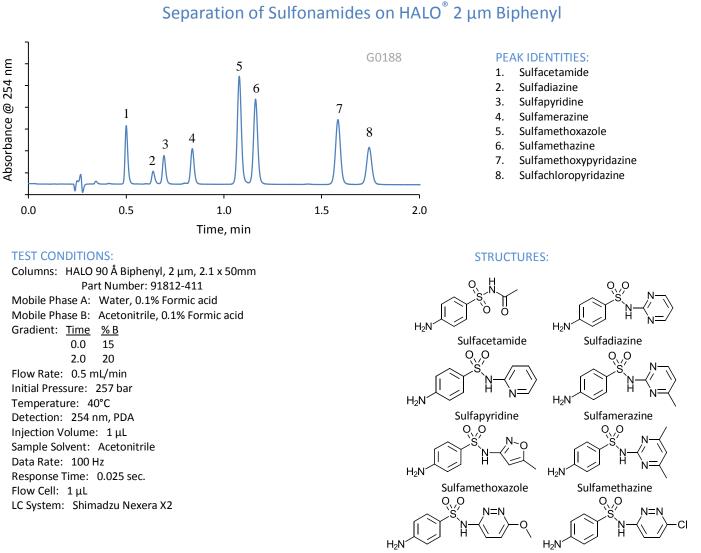
HALO: | Fused-Core® Particle Technology

Application Note: 194-AB



Sulfamethoxypyridazine

Sulfachloropyridazine

A mixture of sulfonamides is separated on a HALO 90 Å Biphenyl, 2 µm column in less than 2 minutes. These synthetic drugs have several purposes, but are mainly used to treat bacterial infections such as urinary tract infections, eye infections, or ear infections. HALO Biphenyl shows increased retention compared to alkyl phases due to the enhanced interactions between the aromatic moieties of the sulfonamides and the biphenyl structure. These interactions also enable more retention of polar compounds on the HALO Biphenyl phase. When a complex mixture contains a variety of polar and non-polar compounds, use a HALO Biphenyl column as part of the method development screening.

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