Product information



YMC-Triart PFP catecholamines serotonin

Neurotransmitter Separation YMC-Triart PFP

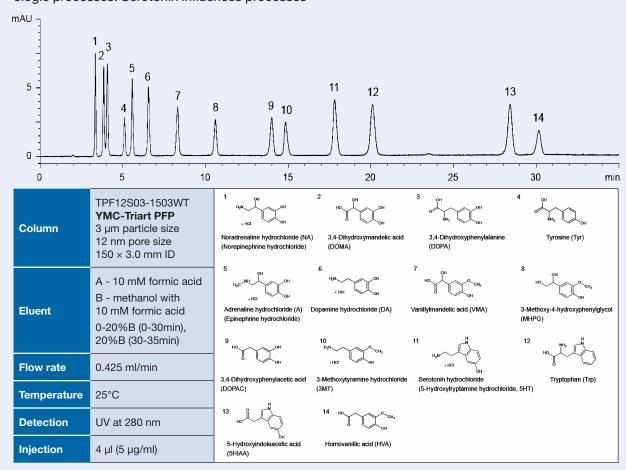
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Dopamine, adrenaline (epinephrine) and noradrenaline (norepinephrine) are members of the catecholamines. Catecholamines are hormones and neurotransmitters of the central nervous system and the autonomic nervous system. They play a role in diagnostics and therapy. For example, an elevated level of **vanillylmandelic acid** (a decomposition product of adrenaline and noradrenaline) can indicate the presence of tumours.

Serotonin (5-hydroxytryptamine) is a biogenic amine, which functions as a tissue hormone and neurotransmitter regulating a variety of physiologic processes. Serotonin influences processes

in the circulatory system and the intestinal tract. Serotonin deficit is thought to be a reason for depression. During the decomposition of serotonin, **5-hydroxyindoleacetic acid** is formed. This substance can be used as marker for the serotonin levels.

This is why simultaneous analysis of catecholamines, serotonin and their precursors and metabolites is an indispensable part of medicine and pharmacy. YMC-Triart PFP is capable of separation and quantification of 14 of these substances in one single run in under 31 minutes.



With YMC-Triart PFP, 14 structurally similar, important neurotransmitters can be separated in one single run.