

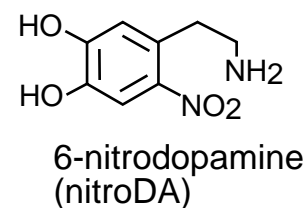
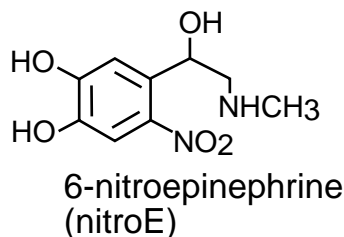
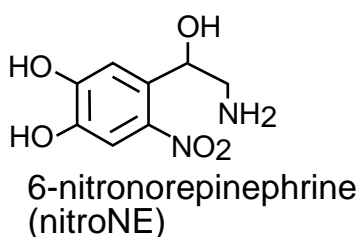
Unison UK-C18

250 x 4.6 mm

Application

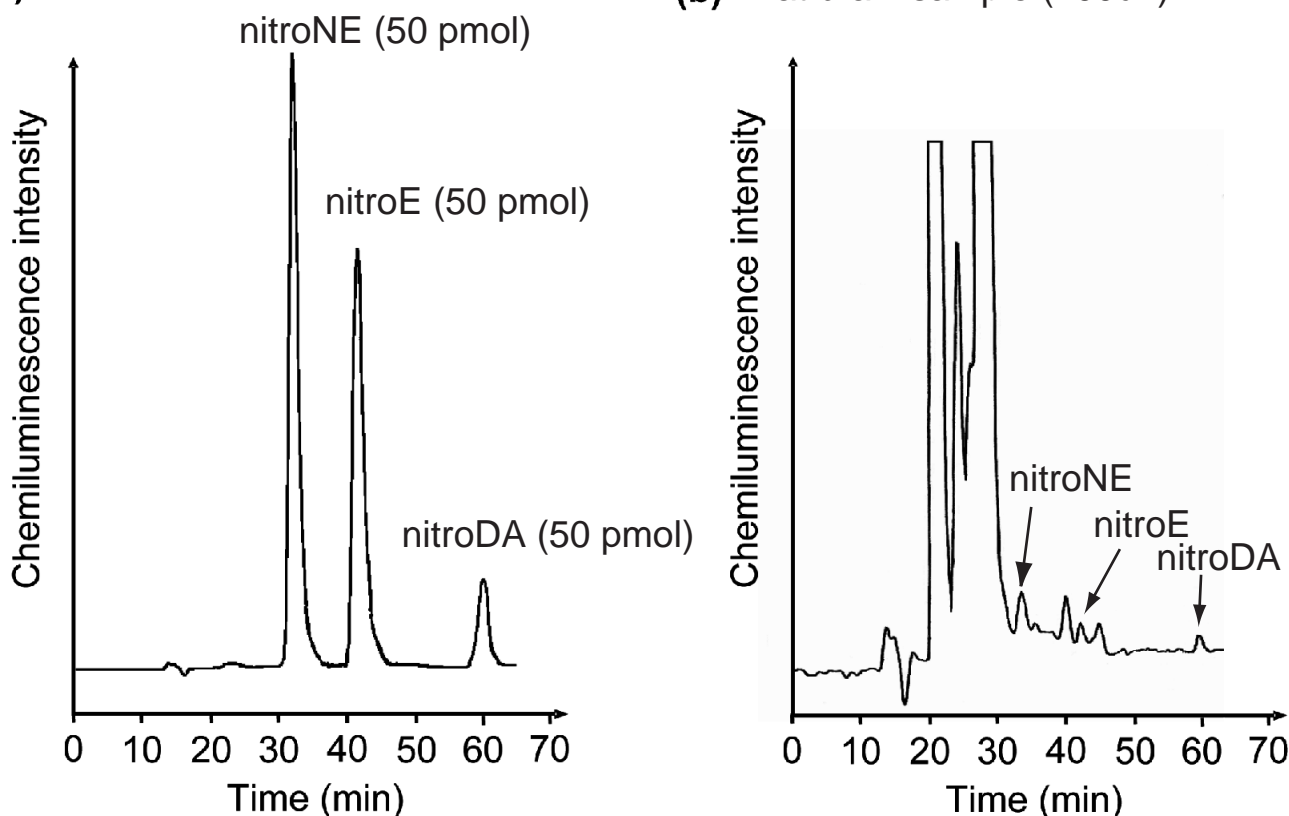
Determination of 6-nitrocatecholamines in rat brain using HPLC-chemiluminescence reaction detection

ラット脳中の6-ニトロカテコールアミンのHPLC化学発光測定



(a) Standard mixture

(b) Rat brain sample (100uL)



Unison UK-C18, 250 x 4.6 mm
 75mM potassium acetate buffer (pH 3.2) /
 50mM potassium dihydrogenphosphate buffer (pH 3.2) / acetonitrile (86.5 /4.5 /9, v/v/v)
 containing 5mM sodium 1-heptanesulfonate, 0.5 mL/min

Post column derivatization with fluorogenic (FL) reagent; 105mM ethylenediamine,
 175mM imidazole in acetonitrile /ethanol /water (80 /10 /10, v/v/v)
 and chemiluminescence (CL) reagent; 0.25mM TDPO, 150mM H₂O₂,
 and 110mM TFA in 1,4-dioxane /ethylacetate (50 /50, v/v)

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Courtesy of Dr. TSUNODA, University of Tokyo, JAPAN