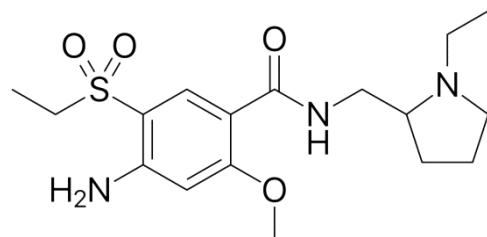


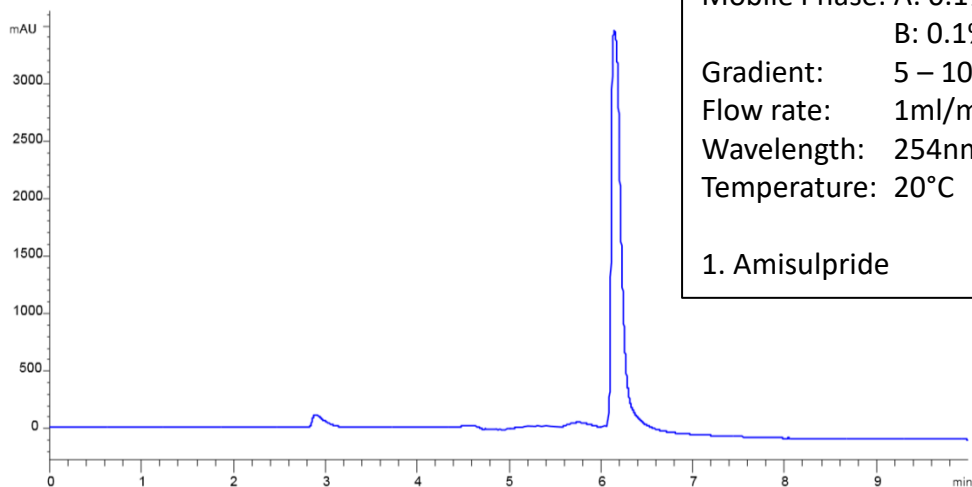
Application Note: Amisulpride

Amisulpride is an antiemetic and antipsychotic medication used at lower doses intravenously to prevent and treat postoperative nausea and vomiting; and at higher doses by mouth to treat schizophrenia and acute psychotic episodes. It is sold under the brand names Barhemsys (as an antiemetic) and Solian, Socian, Deniban and others (as an antipsychotic). It is also used to treat dysthymia.



Amisulpride is believed to work by blocking, or antagonizing, the dopamine D2 receptor, reducing its signalling. The effectiveness of amisulpride in treating dysthymia and the negative symptoms of schizophrenia is believed to stem from its blockade of the presynaptic dopamine D2 receptors.

It was introduced by Sanofi-Aventis in the 1990s. Its patent expired by 2008, and generic formulations have since become available.



Column: Horizon C18 5 μ 150x4.6mm

Mobile Phase: A: 0.1% Formic acid in Water
B: 0.1% Formic acid in MeCN

Gradient: 5 – 100% B in 10minutes

Flow rate: 1ml/min

Wavelength: 254nm

Temperature: 20°C

1. Amisulpride