XHE-III-74 was the first molecule investigate by our collaborators and us in respect to asthma. Although it showed promising aiway muscle relaxation. It was also active as an aerosol. Different metabolic stability in mice than in human, which makes development of this compounds difficultl

XHE-III-74EE was a derivative of XHE-III74, bearing an ethyl ester instead of a t-butyl ester. This compound was stable in mouse and human liver microsomes. When measure AHR we observed protect against AHR when given over a period of five days. However, at concentrations higher as 50 mg/kg, CNS effects were observed.

XHE-III-74A was investigated with the idea that XHE-III-74EE is metabolized in vivo to XHE-III-74A. Therefore, partial activity observed for XHE-III-74EE might be due to XHE-III-74A.