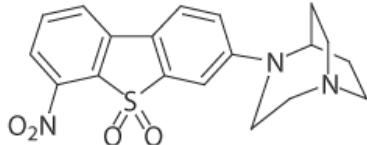


Catalogue Number	Product	Order number / Unit
3371	ASEM precursor Precursor for [¹⁸F]ASEM Molar Mass: 385.44 C₁₉H₁₉N₃O₄S [1456877-71-6] Reddish solid packaged in dark glass crimp cap vials. Purity: > 95 % Certificates: CoA; ¹ H spectrum Chemical Name: 3-(1,4-diazabicyclo[3.2.2]nonan-4-yl)-6-nitrodibenzo[b,d]thiophene 5,5-dioxide Synonyms: [¹⁸ F]ASEM precursor; [¹⁸ F]JHU82132 precursor; 4-(6-Nitro-5,5-dioxo-5H-5l6-dibenzothiophen-3-yl)-1,4-diaza-bicyclo[3.2.2]nonane Literature: Gao Y. et al. Derivatives of dibenzothiophene for positron emission tomography imaging of α7-nicotinic acetylcholine receptors. <i>J. Med. Chem.</i> 2013, 56, 7574-7589. Horti A.G. et al. ¹⁸ F-ASEM, a Radiolabeled Antagonist for Imaging the α7-Nicotinic Acetylcholine Receptor with PET. <i>J. Nucl. Med.</i> 2014, 55, 672-677. Wong D.F. et al. Human Brain Imaging of α7 nAChR with [¹⁸ F]ASEM: a New PET Radiotracer for Neuropsychiatry and Determination of Drug Occupancy. <i>Mol. Imaging Biol.</i> 2014, 16, 730-738. Horti A.G. Development of [¹⁸ F]ASEM, a specific radiotracer for quantification of the α7-nAChR with positron-emission tomography. <i>Biochem. Pharmacol.</i> 2015, 97, 566-575. Ravert H.T. et al. Microwave-assisted radiosynthesis of [¹⁸ F]ASEM, a radiolabeled α7-nicotinic acetylcholine receptor antagonist. <i>J. Labelled Compd. Radiopharm.</i> 2015, 58, 180-182.	3371.0010: 10 mg per vial Please inquire for customized filling and bulk quantities. 

date of product catalogue issue: 10 May 2017