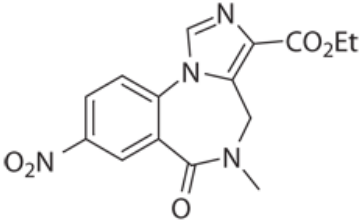


Catalogue Number	Product	Order number / Unit
1690	Nitromazenil Precursor for [¹⁸F]Flumazenil Molar Mass: 330.3 $C_{15}H_{14}N_4O_5$ [84377-97-9] Yellow solid packaged in dark glass crimp cap vials. Purity: > 95 % Certificates: CoA; ¹ H NMR spectrum Chemical Name: CA index name: 4H-Imidazo[1,5-a][1,4]benzodiazepine-3-carboxylic acid, 5,6-dihydro-5-methyl-8-nitro-6-oxo-, ethyl ester Synonyms: 5,6-Dihydro-5-methyl-8-nitro-6-oxo-4H-imidazo[1,5-a][1,4]-benzodiazepine-3-carboxylic acid ethyl ester; Ro 15-2344 Literature: 1. Ryzhikov N.N. et al. Preparation of highly specific radioactivity [¹⁸ F]flumazenil and its evaluation in cynomolgus monkey by positron emission tomography. Nucl. Med. Biol. 2005, 32, 109-116. 2. Broggini G. et al. A new synthesis of flumazenil suitable for fluorine-18 labeling. Org. Prep. Proced. Int. 2003, 35, 609-613.	1690.0001: 1 mg per vial Please inquire for customized filling and bulk quantities.  The chemical structure shows a benzodiazepine core. It features a benzene ring fused to a seven-membered diazepine ring. The benzene ring has a nitro group (O ₂ N) at the 8-position. The diazepine ring has a carbonyl group (C=O) at the 6-position and a methyl group (CH ₃) on the nitrogen at the 5-position. An imidazole ring is fused to the diazepine ring at the 4-position, with an ethyl ester group (CO ₂ Et) attached to the 2-position of the imidazole ring.

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