上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话：021-61312973　　传真：021-55068248
网址：www.shyuanye.com
邮箱：shyysw@sina.com

产品名称：PK14105
产品别名：PK14105

生物活性：

Description

PK14105 is a biological evaluation as a potential radioligand for PET studies of PBBS receptors. in vivo binding experiments, in which PK 14105 was injected into rats with unilaterally lesioned striata, demonstrate that PK 14105 rapidly crosses the blood-brain-barrier and that there is a marked retention of radioactivity in the lesioned striatum not seen in the unlesioned striatum or cerebellar vermis[1] It can also inhibit receptor ligands, calcium channel ligands and co-transporter in all salivary glands. [2]

Solvent&Solubility

In Vitro:

DMSO : ≥ 30 mg/mL (78.66 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.6219 mL	13.1096 mL	26.2192 mL
	5 mM	0.5244 mL	2.6219 mL	5.2438 mL
	10 mM	0.2622 mL	1.3110 mL	2.6219 mL

*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。

储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。

References

[1]. Pascali C et al. The radiosynthesis of [18F]PK 14105 as an alternative radioligand for peripheral type benzodiazepine binding sites. Int J Rad Appl Instrum A. 1990;41(5):477-82.

[2]. Franklin C. Wong et al. Affinity Labeling of Membrane Receptors Using Tissue-Penetrating Radiations. Biomed Res Int. 2013, 503095.