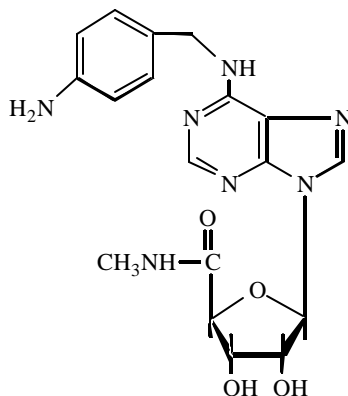


Product Information

Cat. No. A-236

AB-MECA

High affinity A₃ adenosine receptor agonist; precursor to radioiodinated AB-MECA.**Mol. Formula:** C₁₈H₂₁N₇O₄**Mol. Wt.:** 399.41 (anhyd.)**m. p.:** 220-222°C**Chemical Name:** N⁶-(4-Aminobenzyl)-9-[5-(methylcarbonyl)-β-D-ribofuranosyl]adenine**CAS Number:** 152918-26-8**Physical Properties:** Off-white solid.**Caution:** The pharmacology of this compound is incompletely characterized and due care should be exercised in its use. Avoid skin contact, ingestion or inhalation.**Storage:** Store tightly sealed at -20°C.**Solubility:** Soluble in DMSO (10 mg/ml), 0.1N NaOH (3.5 mg/ml), 0.1N HCl (7 mg/ml) or ethanol (1 mg/ml); insoluble in water. Solubility in 45% (w/v) aqueous 2-hydroxy-propyl-β-cyclodextrin (Cat. No. H-107): 0.3 mg/ml.**Disposal:** Dissolve or mix the compound with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.**References:**

1. Olah, M.E., Gallo-Rodriguez, C., Jacobson, K.A., Stiles, G. “¹²⁵I-4-Aminobenzyl-5'-N-methylcarboxamidoadenosine, a high affinity radioligand for the rat A₃ adenosine receptor.” *Mol. Pharmacol.* **45**, 978-982 (1994).
2. Gallo-Rodriguez, C., Ji, X-D., Melman, N., Siegman, B.D., Sanders, L.H., Orlina, J., Fischer, B., Pu, Q., Olah, M.E., van Galen, P.J.M., Stiles, G.L., Jacobson, K.A. “Structure-activity relationships of N⁶-benzyladenosine-5'-uronamides as A₃ selective adenosine agonists.” *J. Med. Chem.* **37**, 636-646 (1994).
3. Jacobson, K.A., Nikodijevic, O., Shi, D., Gallo-Rodriguez, C., Olah, M.E., Stiles, G.L., Daly, J. W. “A role for central A₃-adenosine receptors. Mediation of behavioral depressant effects.” *FEBS Lett.* **336**, 57-60 (1993).

Rev. 2/97

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