

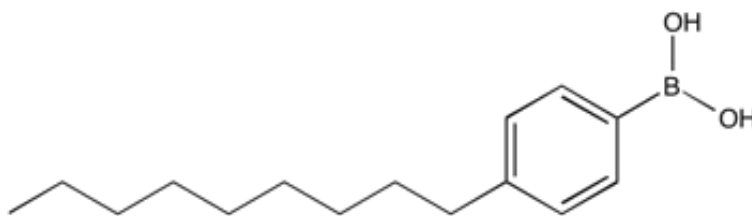
Catalog # 10-3277
Nonylbenzeneboronic acid

CAS# 256383-45-6

NBBA

4-n-Nonylbenzeneboronic acid

Lot # X107631



A potent and selective inhibitor of fatty acid amide hydrolase (FAAH, the enzyme which hydrolyzes and deactivates anandamide), $IC_{50}=9.1 \text{ nM}^1$. Also inhibits monoacylglycerol lipase (MAGL, the enzyme which hydrolyzes 2-arachidonoyl-glycerol), $IC_{50}=7.9 \text{ }\mu\text{M}^1$.

- 1) Minkkila *et al.* (2008), *Discovery of boronic acids as novel and potent inhibitors of fatty acid amide hydrolase*; J. Med. Chem., **51** 7057

PHYSICAL DATA

Molecular Weight:	248.17
Molecular Formula:	$C_{15}H_{25}BO_2$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 30 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 2 months.

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