



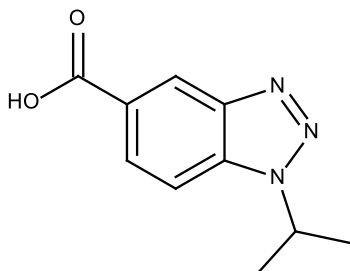
**Catalog # 10-1070**

**IBC-293**

CAS# 306935-41-1

1-(1-Methylethyl)-1H-benzotriazole-5-carboxylic acid; IPBT-5CA

Lot # X103198



Highly selective agonist for the human orphan G-protein-coupled receptor GPR109b ( $EC_{50}$  = 400 nM). No activity was reported at the highly homologous high-affinity niacin receptor GPR109a.

- 1) Semple, *et al.* (2006) *1-Alkyl-benzotriazole-5-carboxylic acids are highly selective agonists of the human orphan G-protein-coupled receptor GPR109b*; J.Med.Chem. **49**, 1227

#### **PHYSICAL DATA**

Molecular Weight:	205.22
Molecular Formula:	C <sub>10</sub> H <sub>11</sub> N <sub>3</sub> O <sub>2</sub>
Purity:	>98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (at least 25 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

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