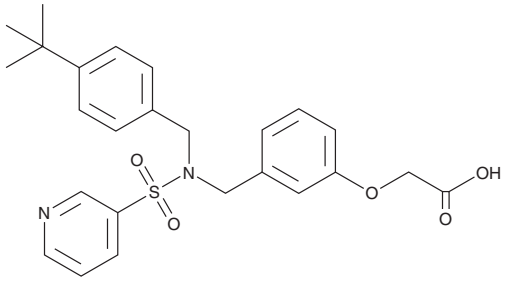
PRODUCT INFORMATION

Evatanepag

Item No. 42727

CAS Registry No.:	223488-57-1
Formal Name:	2-[3-[[[[4-(1,1-dimethylethyl) phenyl]methyl](3-pyridinylsulfonyl) amino]methyl]phenoxy]-acetic acid
Synonym:	CP 533,536
MF:	$C_{25}H_{28}N_2O_5S$
FW:	468.6
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Evatanepag is supplied as a solid. A stock solution may be made by dissolving the evatanepag in the solvent of choice, which should be purged with an inert gas. Evatanepag is sparingly soluble (1-10 mg/ml) in DMSO.

Description

Evatanepag is an agonist of prostaglandin E_2 (PGE_2) receptor subtype EP_2.[1] It induces cAMP accumulation in cells expressing rat EP_2 (EC_{50} = 0.3 nM). Evatanepag (3 mg/kg) increases total bone area, mineral content, and mineral density in rat tibia.

Reference

1. Cameron, K.O., Lefker, B.A., Ke, H.Z., *et al.* Discovery of CP-533536: An EP_2 receptor selective prostaglandin E_2 (PGE_2) agonist that induces local bone formation. *Bioorg. Med. Chem. Lett.* **19(7)**, 2075-2078 (2009).

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