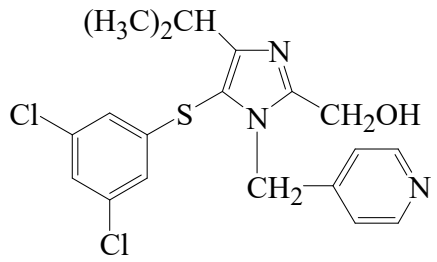
>>**Entry Name: 5-[(3,5-Dichlorophenyl)thio]-4-(1-methylethyl)-1-(4-pyridinylmethyl)-1*H*-imidazole-2-methanol,** 9Cl



**CAS Registry Number:** 178981-89-0

**Molecular Formula:** $C_{19}H_{19}Cl_2N_3OS$
**Molecular Weight:** 408.35
**Accurate Mass:** 407.062586
**Percentage Composition:** C 55.89%; H 4.69%; Cl 17.36%; N 10.29%; O 3.92%; S 7.85%
**Melting Point:** Mp 137-139°

>>**Derivative:** Hydrochloride (1:2)

**Melting Point:** Mp 223-235 dec.°

>>**Derivative:** Carbamoyl
**Synonym(s): Capravirine,** INN**.** AG 1549. S 1153

**CAS Registry Number:** 178979-85-6

**Molecular Formula:** $C_{20}H_{20}Cl_2N_4O_2S$
**Molecular Weight:** 451.375
**Accurate Mass:** 450.0684
**Percentage Composition:** C 53.22%; H 4.47%; Cl 15.71%; N 12.41%; O 7.09%; S 7.10%
**Biological Use/Importance:** HIV-1 reverse transcriptase inhibitor. Anti-HIV agent
**Melting Point:** Mp 88 dec.°

>>**Derivative:** Carbamoyl, hydrochloride (1:2)

**Melting Point:** Mp 214-222 dec.°

**References:**


*Chinese Pat.*, 1994, *Shanghai Pharmaceutic Industry*, 1 096 514; *CA*, **124**, 87042r, *(synth, pharmacol)*
*Eur. Pat.*, 1997, *Shionogi*, 786 455; *CA*, **125**, 114616k, *(synth, pharmacol)*
Fujiwara, T. *et al.*, *Antimicrob. Agents Chemother.*, 1998, **42**, 1340-1345, *(activity)*
Ohkawa, T. *et al.*, *Xenobiotica*, 1998, **28**, 877-886, *(metab)*
Ren, J. *et al.*, *J. Biol. Chem.*, 2000, **275**, 14316-14320, *(cryst struct, complex)*