

Table S1. Baseline characteristics of patients—site of disease.

Site of disease	10 mg LSF QD	20 mg LSF QD	40 mg Tablet QD	80 mg Tablet QD	120 mg Tablet QD	40 mg Tablet BID	60 mg Tablet BID	80 mg Tablet BID	60 mg Expansion Tablet BID	Total
N (%)	3 (100%)	3 (100%)	4 (100%)	13 (100%)	6 (100%)	3 (100%)	15 (100%)	4 (100%)	28 (100%)	79 (100%)
Abdomen	0	0	0	1 (7.7%)	1 (16.7%)	0	0	0	0	2 (2.5%)
Bone	0	1 (33.3%)	1 (25.0%)	5 (38.5%)	1 (16.7%)	0	3 (20.0%)	1 (25.0%)	20 (71.4%)	32 (40.5%)
Breast	0	0	0	0	0	0	0	0	1 (3.6%)	1 (1.3%)
Hilar lymph node	1 (33.3%)	2 (66.7%)	0	0	0	0	0	0	0	3 (3.8%)
Internal iliac lymph node	0	0	1 (25.0%)	0	0	0	0	0	0	1 (1.3%)
Kidney	0	0	0	0	1 (16.7%)	0	0	0	0	1 (1.3%)
Liver	0	1 (33.3%)	1 (25.0%)	6 (46.2%)	2 (33.3%)	0	6 (40.0%)	2 (50.0%)	26 (92.9%)	44 (55.7%)
Liver hilum lymph node	0	0	0	0	0	0	1 (6.7%)	0	0	1 (1.3%)
Mediastinal lymph node	1 (33.3%)	0	0	1 (7.7%)	0	0	0	0	0	2 (2.5%)
Other	3 (100.0%)	3 (100.0%)	4 (100.0%)	10 (76.9%)	4 (66.7%)	3 (100.0%)	12 (80.0%)	3 (75.0%)	17 (60.7%)	59 (74.7%)
Para-aortic lymph node	0	1 (33.3%)	0	1 (7.7%)	0	0	2 (13.3%)	0	0	4 (5.1%)
Parasternal lymph node	0	0	0	0	0	0	1 (6.7%)	0	0	1 (1.3%)
Paratracheal lymph node	0	0	0	0	1 (16.7%)	0	0	0	0	1 (1.3%)
Portal lymph node	0	0	1 (25.0%)	0	0	0	1 (6.7%)	0	1 (3.6%)	3 (3.8%)
Retroperitoneum	0	0	1 (25.0%)	1 (7.7%)	0	0	0	1 (25.0%)	0	3 (3.8%)

Table S2. Non-compartmental pharmacokinetic parameters of BAY 1125976 after single and multiple dosing.

Parameter	Dose, Formulation, Schedule								
	10 mg	20 mg	40 mg	80 mg	120 mg	40 mg	60 mg	80 mg	60 mg
	LSF QD	LSF QD	Tablet QD	Tablet QD	Tablet QD	Tablet BID	Tablet BID	Tablet BID	Expansion Tablet BID
N	3	3	4	13	6	3	15	4	9
Cycle 1, Day 1									
C_{max} (µg/L)	2.65 / 66.5 (1.36–4.44)	8.00 / 32.0 (6.45–11.4)	8.65 / 65.1 (3.76–13.5)	38.5 / 49.9 (15.7–78.6)	36.9 / 47.2 (17.6–69.3)	13.5 / 32.1 (9.4–16.6)	23.1 / 72.9 (7.51–58.1)	26.0 / 24.4 (20.6–36.4)	17.3 / 85.9 (5.83–52.7)
AUC (µg * h/L)	–/– (28.5–30.3) ^a	95.4 / 93.2 (59.1–238)	74.0 / 8.76 (67.0–79.1) ^b	289 / 54.9 (98.4–739)	235 / 42.7 (122–322)	–	–	–	–
t_{max} (h) ^d	1.0 (0.5–3.9)	1.9 (1.1–2.0)	1.8 (1.0–8.0)	1.0 (0.5–4.1)	1.3 (1.0–2.1)	1.0 (1.0–3.0)	2.0 (0.5–4.0)	3.0 (0.8–4.0)	2.0 (1.0–4.0)
Cycle 2, Day 1									
C_{max} (µg/L)	2.17 / 50.0 (1.26–3.04)	–/– (6.76–9.48) ^a	9.21 / 69.6 (3.99–16.5)	37.7 / 87.1 (13.8–123) ^c	44.5 / 26.8 (36.1–59.9) ^b	18.0 / 36.5 (12.0–23.3)	33.4 / 101 (10.0–131) ^e	–/– (32.4–84.2) ^a	40.4 / 73.9 (18.9–84.6) ^g
AUC (µg * h/L) ^f	13.4 / 43.6 (8.89–20.5)	–/– (65.7–106) ^a	127 / 19.2 (106–156)	363 / 93.0 (94.5–1010) ^c	294 / 19.9 (240–356) ^b	94.0 / 22.4 (81.6–121)	177 / 80.7 (76.5–824) ^e	–/– (186–387) ^a	195 / 44.0 (111–347) ^g
t_{max} (h) ^d	0.6 (0.5–1.0)	– (1.1–1.9) ^a	2.1 (1.0–4.1)	2.0 (1.0–4.1) ^c	2.0 (1.5–2.0) ^b	1.0 (1.0–2.0)	2.0 (1.0–4.1) ^e	– (1.0–1.0) ^a	1.5 (0.5–4.2) ^g

The pharmacokinetics analysis set consisted of 60 patients. Shown is the geometric mean, % coefficient of variation and range for single (Cycle 1, Day 1) and multiple (Cycle 2, Day 1) dosing of BAY 1125976. Single dose PK was assessed in the QD schedule only. ^a $n = 2$; ^b $n = 3$; ^c $n = 8$; ^d median (range); ^e $n = 11$; ^f shown is AUC (0- t_{last}); ^g $n = 6$.

Table S3. Relative bioavailability. Comparison of a liquid versus solid formulation of BAY 1125976 at dose levels 20 mg and 40 mg QD (geometric mean (%CV)).

Parameter	Dose, Formulation, Schedule			
	20 mg QD		40 mg QD	
	LSF (C1D1); n = 3	Tablet (C1D3); n = 3	LSF (C1D1); n = 4	Tablet (C1D3); n = 4
C_{max}/D^* ($1/L * 10^{-3}$)	0.372 (36.4)	0.456 (39.1)	0.207 (62.7)	0.216 (65.1)
$AUC(0-48)/D^*$ ($h/L * 10^{-3}$)	4.23 (91.0)	3.91 (75.0)	1.88 (18.2)	1.80 (8.30) ^b
t_{max}^a (h)	1.9 (1.1-2.0)	1.1 (1.0-2.0)	2.5 (1.0-4.2)	1.8 (1.0-8.0)

C: cycle, D: day; ^a median (range); ^b n = 3.

Table S4. Food effect. Pharmacokinetic parameters of BAY 1125976 in plasma after single dose of BAY 1125976 given in fasted vs. fed condition (geometric mean (%CV)).

Parameter	80 mg QD	
	Fed condition (C1D-3); n = 3	Fasted condition (C1D1); n = 3
C_{max} ($\mu\text{g}/\text{L}$)	21.1 (36.6)	28.8 (64.9)
$AUC(0-48)$ ($\mu\text{g} * \text{h}/\text{L}$)	192 (52.7)	165 (52.4)
t_{max}^a (h)	4.1 (1.0-4.1)	1.0 (0.5-2.1)

C: cycle, D: day; ^a median (range)

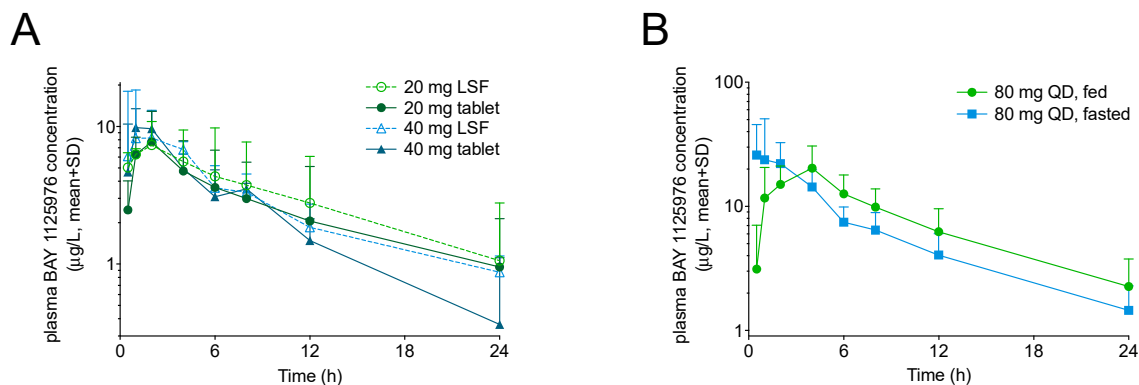


Figure S1. (A) Relative bioavailability of liquid vs. tablet formulation showing bioequivalence at two tested dose levels. (B) Food effect assessment at 80 mg QD.

